

#1 ENFAMIL®
#1 INHAWI FORMULA BRAND RECOMMENDED
BY PEDIATRICIANS



Pediatric Products

Handbook

Leading the way in science-based pediatric nutrition products, to help give newborns, infants and toddlers the best start in life.



Pediatric Products Handbook



THE MISSION OF MEAD JOHNSON

For more than 100 years, Mead Johnson has been providing science-based infant formulas and other nutritional products developed to help people lead healthier lives. Our company was founded by Edward Mead Johnson, whose son, Ted, suffered from severe feeding difficulties and barely survived infancy. The experience helped inspire E. Mead to develop products that would provide nutritional excellence to healthy infants as well as those with special dietary requirements. The same principles that guided the company during its early days are still the basis for its vision today:

Our Vision is to be the world's leading nutrition company for babies and children. We are dedicated to nourish the world's children for the best start in life.

IMPORTANT CONTACT INFORMATION

MJN Representative _____

Phone Number _____

HEALTHCARE PROFESSIONAL CONTACT INFORMATION

1-800-457-3550

Customer Service – To place an order.

1-812-429-6399 or mjmedicalaffairs@mjn.com

Medical Service – Answers to product questions.

MeadJohnson.com/pediatrics

Healthcare Professionals – To get product information and more.

CONSUMER CONTACT INFORMATION

1-800-BABY123

For parents.

Enfamil.com

A friendly source of information for moms.

The information in this handbook is provided as a service to healthcare professionals. Every measure is taken to assure that this is the most current and accurate information available. Because our products are subject to revision, we ask that you please refer to the product label for the most accurate information.



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Enfamil for Supplementing is a milk-based, iron-fortified formula for breastfeeding moms who choose to introduce formula.

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For babies with sensitive tummies, when a soy formula is preferred.


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* LGG is a registered trademark of Valio Ltd.

Indication:

Nutramigen with Enflora LGG is an iron-fortified, lactose-free, galactose-free, hypoallergenic infant formula designed for newborns and infants who are allergic to the intact proteins in cow's milk and soy formulas, as well as other foods.


**Nutramigen® with Enflora™ LGG®*
Toddler 62**

* LGG is a registered trademark of Valio Ltd.

Indication:

Nutramigen with Enflora LGG Toddler is an iron-fortified, lactose-free, hypoallergenic infant formula for older infants and toddlers who are allergic to the intact proteins in cow's milk or allergic to soy formulas.


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Indication:

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Enfamil Premature is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk.



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Indication:

Enfamil Premature is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk.



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Indication:

Enfamil Premature 30 Cal is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants.



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Indication:

Enfamil Human Milk Fortifier Powder is to be added to expressed breast milk for feeding premature or low-birth-weight infants.



Enfaport™ 173

Indication:

Enfaport is designed to meet the unique nutritional needs of infants with Chylothorax or LCHAD deficiency.

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Portagen is a nutritional powder for children and adults with defects in the intraluminal hydrolysis of fat (decreased pancreatic lipase, decreased bile salts); defective mucosal fat absorption (decreased mucosal permeability, decreased absorptive surface); and/or defective lymphatic transport of fat (ie, intestinal lymphatic obstruction).



3232 A 182

Indication:

3232 A is a protein hydrolysate formula base that is to be used with added carbohydrate.

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Indication:

BCAD 1 is an iron-fortified infant formula and medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine, for the dietary management of infants and toddlers with maple syrup urine disease (MSUD).



BCAD 2 192

Indication:

BCAD 2 is an iron-fortified medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine for the dietary management of children and adults with maple syrup urine disease (MSUD).



GA 196

Indication:

GA is an iron-fortified infant formula and medical food powder that is free of the essential amino acids lysine and tryptophan for infants, children and adults with glutaric aciduria type 1.



HCY 1 200

Indication:

HCY 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acid methionine for infants and toddlers with homocystinuria.



HCY 2 204

Indication:

HCY 2 is a medical food powder that is free of the essential amino acid methionine for children and adults with homocystinuria.



LMD 208

Indication:

LMD is an iron-fortified infant formula and medical food powder that is free of the essential amino acid leucine for infants, children and adults with leucine metabolism disorders, including isovaleric aciduria.



OA 1 212

Indication:

OA 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for infants and toddlers with propionic or methylmalonic aciduria (organic aciduria).



OA 2 216

Indication:

OA 2 is a medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for children and adults with propionic or methylmalonic aciduria (organic aciduria).



PFD Toddler 220

Indication:

PFD Toddler is a protein- and amino acid-free product[†] designed with carbohydrates, vitamins and minerals as well as the essential fatty acids for young children with various amino acid metabolic disorders.

[†] This product does contain taurine, a non-protein-building amino acid.

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† This product does contain taurine, a non-protein-building amino acid.		
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1. Berseth CL, Johnston WH, Stoltz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)*. 2009;48:58-65.
2. Lightdale JR et al. Gastroesophageal Reflux: Management Guidance for the Pediatrician. *Pediatrics*. 2013;131:e1684-e1695.



Routine Formulas



Enfamil® Newborn

Milk-Based Infant Formula
for Newborns Through 3 Months

INDICATION

Enfamil Newborn is a milk-based, iron-fortified formula for full-term newborns through 3 months. It has the same trusted nutritional source as Enfamil® Infant and is designed for newborns.

The American Academy of Pediatrics (AAP) recommends that babies get 400 IU of vitamin D daily. Enfamil Newborn provides 400 IU of vitamin D in 27 fl oz—close to the approximate daily intake of a newborn.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5[†]
- Provides 400 IU of vitamin D in just 27 fl oz—close to the approximate daily intake of a newborn
- Milk-based infant formula patterned after early breast milk
- Easy-to-digest, 80:20 whey-to-casein protein blend
- A dual prebiotics blend—GOS (galactooligosaccharides) and polydextrose—to support the growth of beneficial gut bacteria, which emerging science suggests can help support the immune system²⁻⁴
- The same DHA level as Enfamil Infant, similar to worldwide breast milk averages^{5,†}, to support mental, visual and immune system development

DHA and ARA Fatty Acid Nutrients[†]

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil Infant with DHA and ARA.

† Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁵.

† Per 100 Calories.

NUTRIENTS[§]

(Normal Dilution)

	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2.1	10.8
Fat, g	5.3	27
Linoleic acid, mg	860	4400
Carbohydrate, g	11.2	57
Water, g	133	2
Vitamins/Other Nutrients		
Vitamin A, IU	300	1540
Vitamin D, IU	75	380
Vitamin E, IU	2	10.3
Vitamin K, mcg	9	46
Thiamin (Vitamin B ₁), mcg	80	410
Riboflavin (Vitamin B ₂), mcg	140	720
Vitamin B ₆ , mcg	60	310
Vitamin B ₁₂ , mcg	0.3	1.54
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	82
Pantothenic acid, mcg	500	2600
Biotin, mcg	3	15.4
Vitamin C (Ascorbic acid), mg	12	62
Choline, mg	24	123
Inositol, mg	6	31
Minerals		
Calcium, mg	78	400
Phosphorus, mg	43	220
Magnesium, mg	8	41
Iron, mg	1.8	9.2
Zinc, mg	1	5.1
Manganese, mcg	15	77
Copper, mcg	75	380
Iodine, mcg	15	77
Selenium, mcg	2.8	14.4
Sodium, mg	27	138
Potassium, mg	108	550
Chloride, mg	63	320

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	8.5
Fat (% calories)	48
Carbohydrate (% calories)	43.5
Potential Renal Solute Load (mOsm/100 Calories) ⁶	19.1
Potential Renal Solute Load (mOsm/100 mL) ⁶	12.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® Newborn is available in powder and ready-to-use liquid. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate, galactooligosaccharides¹¹, polydextrose¹¹ and less than 1%: *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[#], soy lecithin, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, sodium selenite, potassium citrate, choline chloride, potassium chloride, sodium chloride, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use: Water, lactose, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), whey protein concentrate and less than 1%: galactooligosaccharides¹¹, polydextrose¹¹, *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[#], mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium chloride, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium ascorbate, sodium citrate, potassium citrate, sodium chloride, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

¹¹ A type of prebiotic.

[¶] A source of arachidonic acid (ARA).

[#] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Newborn contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make**	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.4 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.1 g
8 fl oz	8 fl oz	4 unpacked level scoops	34.8 g
1 quart	29 fl oz	1 unpacked level household measuring cup + 2 unpacked level Tbsps	125 g

** Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil Newborn tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil Newborn formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and "use by" date sticker from the pouch.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

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1. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
2. Scalabrin D, Mitmesser SH, Welling GW, et al. New prebiotic blend of polydextrose and galacto-oligosaccharides has a bifidogenic effect in young infants. *J Pediatr Gastroenterol Nutr.* 2012;54:343-352.
3. Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007; 44:359-364.
4. Nakamura N, Gaskins HR, Collier CT, et al. Molecular ecological analysis of fecal bacterial populations from term infants fed formula supplemented with selected blends of prebiotics. *Appl Environ Microbiol.* 2009; 75:1121-1128.
5. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
6. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Infant

**Milk-based Infant Formula
for Infants 0-12 Months**

INDICATION

Enfamil Infant is a milk-based, iron-fortified formula for full-term infants 0-12 months. Enfamil Infant offers proven* clinical outcomes in 3 key areas: growth, brain and eye, and immune system development.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5¹
- Clinically shown to improve long-term cognitive outcomes through 5 years of age vs Enfamil® without DHA^{1,*}
- Milk-based infant formula patterned after mature breast milk
- A dual prebiotics blend—GOS (galactooligosaccharides) and polydextrose—to support the growth of beneficial gut bacteria, which emerging science suggests can help support the immune system²⁻⁴
- DHA level similar to worldwide breast milk average^{5,†}, to support mental, visual and immune system development
- Clinically shown to have a bifidogenic effect similar to that of breast milk⁴ in infants fed the formula between 30 and 90 days of age
- Proven to improve* respiratory health through the first 3 years of life when infants were fed Enfamil Infant through 12 months⁶
- Clinically proven* growth⁷ similar to breastfed infants through 12 months, IQ scores and vision similar to breastfed infants up to 4 years of age⁸, and support for the immune system⁶
- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{9,†}

DHA and ARA Fatty Acid Nutrients[§]

- DHA – 17 mg
- ARA – 34 mg

* Studies compared infants fed Enfamil with DHA and ARA vs discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁵.

‡ Comparison based on whey:casein ratio of typical mature breast milk (15 days to 6 months after birth).

§ Per 100 Calories.

NUTRIENTS^{II}

(Normal Dilution)

	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2	10.1
Fat, g	5.3	27
Linoleic acid, mg	800	4000
Carbohydrate, g	11.3	57
Water, g	133	2.3

Vitamins/Other Nutrients

Vitamin A, IU	300	1520
Vitamin D, IU	60	300
Vitamin E, IU	2	10.1
Vitamin K, mcg	9	45
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	140	710
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.52
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	81
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	15.2
Vitamin C (Ascorbic acid), mg	12	61
Choline, mg	24	121
Inositol, mg	6	30

Minerals

Calcium, mg	78	390
Phosphorus, mg	43	220
Magnesium, mg	8	40
Iron, mg	1.8	9.1
Zinc, mg	1	5.1
Manganese, mcg	15	76
Copper, mcg	75	380
Iodine, mcg	15	76
Selenium, mcg	2.8	14.1
Sodium, mg	27	136
Potassium, mg	108	550
Chloride, mg	63	320

II Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	8
Fat (% calories)	48
Carbohydrate (% calories)	44
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	18.6
Potential Renal Solute Load (mOsm/100 mL) ¹⁰	12.5
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® Infant is available in powder, ready-to-use liquid and concentrate. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate, polydextrose¹, galactooligosaccharides¹ and less than 1%: *Mortierella alpina* oil[#], *Crypthecodinium cohnii* oil^{**}, calcium carbonate, potassium citrate, ferrous sulfate, potassium chloride, magnesium oxide, sodium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, soy lecithin, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, inositol, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (8 & 32 fl oz): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides¹, polydextrose¹, *Mortierella alpina* oil[#], *Crypthecodinium cohnii* oil^{**}, whey protein concentrate, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, mono- and diglycerides, soy lecithin, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D₃, taurine, L-carnitine.

¹ A type of prebiotic.

[#] A source of arachidonic acid (ARA).

^{**} A source of docosahexaenoic acid (DHA).

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: whey protein concentrate, galactooligosaccharides[¶], polydextrose[¶], *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₁₂, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, soy lecithin, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (6 fl oz Nursette bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: polydextrose[¶], galactooligosaccharides[¶], *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, whey protein concentrate, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, mono- and diglycerides, soy lecithin, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D₃, taurine, L-carnitine.

Ingredients: Concentrated Liquid (8 & 13 fl oz can): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), and less than 2%: galactooligosaccharides[¶], polydextrose[¶], *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, whey protein concentrate, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, soy lecithin, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, carrageenan, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D₃, taurine, L-carnitine.

[¶] A type of prebiotic.

[#] A source of arachidonic acid (ARA).

^{**} A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Infant contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ^{††}	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.8 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.6 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.4 g
8 fl oz	8 fl oz	4 unpacked level scoops	35.2 g
1 quart	28.5 fl oz	1 unpacked level household measuring cup + 2 unpacked level Tbsps	127 g

†† Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil® Infant tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil Infant formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and "use by" date sticker from the pouch.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

Single-Serve Powder Packets

1. Wash hands thoroughly with soap and water before preparing formula.

2. Pour desired amount of water into bottle. Pour entire contents of packet(s) into bottle.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder.

To Make ^{††}	Water	Powder
4 fl oz bottle	4 fl oz	1 packet
8 fl oz bottle	8 fl oz	2 packets

^{††} Each packet adds about 0.4 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Single-Serve Powder Packets Storage

Store unopened packets at room temperature. Do not freeze powder, and avoid excessive heat.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette® Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

Concentrate

1. Wash hands thoroughly with soap and water before preparing formula.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour desired amount of water into feeding bottle. Add an **equal** amount of concentrated liquid. **SHAKE OR STIR WELL**.

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Concentrate Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
2. Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007;44:359-364.
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5. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
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8. Birch EE, Garfield S, Castañeda Y, et al. Visual acuity and cognitive outcomes at 4 years of age in a double-blind, randomized trial of long-chain polyunsaturated fatty acid-supplemented infant formula. *Early Hum Dev.* 2007;83:279-284.
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10. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® for Supplementing

Milk-based Infant Formula to Complement Breastfeeding

INDICATION

Enfamil for Supplementing is a milk-based, iron-fortified formula for breastfeeding moms who choose to introduce formula. Enfamil for Supplementing is a gentle complement to breast milk. It is easy for babies to digest and has broken down proteins.

The American Academy of Pediatrics (AAP) recommends that babies get 400 IU of vitamin D daily. Enfamil for Supplementing provides 400 IU of vitamin D in 27 fl oz.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5[†]
- Important vitamin D
- 30 key nutrients to complement the nutrition in mom's breast milk
- The same DHA level as Enfamil® Infant, similar to worldwide breast milk averages^{2,†}, to support mental, visual and immune system development
- Easy-to-digest 60:40 whey-to-casein ratio[‡]
- Has ~20% of lactose[§] as a source of carbohydrate

DHA and ARA Fatty Acid Nutrients^{||}

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil Infant with DHA and ARA.

† Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

‡ Prior to hydrolysis.

§ ~1/5th the lactose of a full-lactose, routine, milk-based formula.

|| Per 100 Calories.

NUTRIENTS¹

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2.3	11.7
Fat, g	5.3	27
Linoleic acid, mg	800	4100
Carbohydrate, g	10.8	55
Water, g	133	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1530
Vitamin D, IU	75	380
Vitamin E, IU	2	10.2
Vitamin K, mcg	9	46
Thiamin (Vitamin B ₁), mcg	80	410
Riboflavin (Vitamin B ₂), mcg	140	710
Vitamin B ₆ , mcg	60	310
Vitamin B ₁₂ , mcg	0.3	1.53
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	82
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	15.3
Vitamin C (Ascorbic acid), mg	12	61
Choline, mg	24	122
Inositol, mg	6	31
Minerals		
Calcium, mg	82	420
Phosphorus, mg	46	230
Magnesium, mg	8	41
Iron, mg	1.8	9.2
Zinc, mg	1	5.1
Manganese, mcg	15	76
Copper, mcg	75	380
Iodine, mcg	15	76
Selenium, mcg	2.8	14.3
Sodium, mg	36	184
Potassium, mg	108	550
Chloride, mg	63	320

¹ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	9
Fat (% calories)	48
Carbohydrate (% calories)	43
Potential Renal Solute Load (mOsm/100 Calories) ³	21
Potential Renal Solute Load (mOsm/100 mL) ³	14
Osmolality (mOsm/kg water)	230 (Pwd) 220 (Liq)
Osmolarity (mOsm/L)	210 (Pwd) 200 (Liq)
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® for Supplementing is available in powder and ready-to-use liquid. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrated solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: *Mortierella alpina* oil#, *Crypthecodinium cohnii* oil**, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, sodium citrate, potassium chloride, potassium iodide, taurine and L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette® bottle & 8 fl oz bottle): Water, corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), rice starch and less than 1% *Mortierella alpina* oil#, *Crypthecodinium cohnii* oil**, vitamin B₁₂, vitamin D₃, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, choline chloride, inositol, folic acid, vitamin K₁, biotin, diacetyl tartaric esters of mono- and diglycerides (datem), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, taurine, L-carnitine.

A source of arachidonic acid (ARA).

** A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil for Supplementing contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when

preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL.**

Use the following chart for correct amounts of water and powder.

Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ^{††}	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.4 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.1 g
8 fl oz	8 fl oz	4 unpacked level scoops	34.8 g
1 quart	28.5 fl oz	1 unpacked level household measuring cup + 2 unpacked level Tbsps	125 g

^{††} Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil® for Supplementing tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil for Supplementing formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and “use by” date sticker from the pouch.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
2. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Solutions and Specialty Formulas





Enfamil® Gentlease®

For Fussiness, Gas and Crying

Milk-based infant formula that has partially broken down proteins for the first 12 months

INDICATION

Enfamil Gentlease infant formula is designed to reduce fussiness, gas and crying¹. It has an easy-to-digest milk protein blend patterned after breast milk (whey and casein in a 60:40 ratio)* that has been partially broken down. The formula is nutritionally balanced and has docosahexaenoic acid (DHA) and arachidonic acid (ARA), nutrients also found in breast milk, that promote brain and eye development.

Long-Term Usage

Enfamil Gentlease is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown[†] to foster a child's learning ability up to age 5²
- Designed to reduce fussiness, gas and crying in 24 hours¹
- A special blend of easy-to-digest proteins, patterned after the blend of proteins found in breast milk*, that have been partially broken down
- Has ~20% of lactose as a source of carbohydrates. Infants with transient lactose deficiency generally can tolerate formulas with some lactose
- Has our blend of DHA and ARA, nutrients also found in breast milk, that promotes brain and eye development³⁻¹⁰
- DHA level similar to worldwide breast milk averages[†]
- Has choline, a brain nutrient found in breast milk
- Pediatricians recommend Gentlease 2 to 1 over Similac® Sensitive[§].

DHA and ARA Fatty Acid Nutrients^{||}

- DHA – 17 mg
- ARA – 34 mg

* Comparison to whey:casein ratio of typical mature breast milk (15 days to 6 months after birth).

† Shown in Enfamil® Infant with DHA and ARA.

‡ Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women.

§ Of pediatricians who recommend a specific brand of infant formula.

|| Per 100 Calories.

NUTRIENTS¹

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2.3	11.7
Fat, g	5.3	27
Linoleic acid, mg	800 (Pwd, 6 fl oz) 860 (2, 8 & 32 fl oz)	4100
Carbohydrate, g	10.8	55
Water, g	133	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1530
Vitamin D, IU	60	310
Vitamin E, IU	2	10.2
Vitamin K, mcg	9	46
Thiamin (Vitamin B ₁), mcg	80	410
Riboflavin (Vitamin B ₂), mcg	140	710
Vitamin B ₆ , mcg	60	310
Vitamin B ₁₂ , mcg	0.3	1.53
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	82
Pantothenic acid, mcg	500	2600
Biotin, mcg	3	15.3
Vitamin C (Ascorbic acid), mg	12	61
Choline, mg	24	122
Inositol, mg	6	31
Minerals		
Calcium, mg	82	420
Phosphorus, mg	46	230
Magnesium, mg	8	41
Iron, mg	1.8	9.2
Zinc, mg	1	5.1
Manganese, mcg	15	77
Copper, mcg	75	380
Iodine, mcg	15	77
Selenium, mcg	2.8	14.3
Sodium, mg	36	184
Potassium, mg	108	550
Chloride, mg	63	320

¹ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	9
Fat (% calories)	48
Carbohydrate (% calories)	43
Potential Renal Solute Load (mOsm/100 Calories) ¹¹	21
Potential Renal Solute Load (mOsm/100 mL) ¹¹	14
Osmolality (mOsm/kg water)	230 (Pwd) 220 (Liq)
Osmolarity (mOsm/L)	210 (Pwd) 200 (Liq)
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® Gentlease® is available in powder and ready-to-use liquid. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Powder: Corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: *Mortierella alpina* oil*, *Cryptocodinium cohnii* oil**, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, sodium citrate, potassium chloride, potassium iodide, taurine and L-carnitine.

Ingredients: Ready To Use (32 fl oz can): Water, corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), rice starch and less than 1%: *Mortierella alpina* oil*, *Cryptocodinium cohnii* oil**, choline chloride, inositol, vitamin B₁₂, vitamin D₃, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, diacetyl tartaric esters of mono- and diglycerides (datem), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, manganese sulfate, potassium iodide, sodium selenite, taurine, L-carnitine.

Ingredients: Ready To Use (6 fl oz Nursette® bottle, 8 fl oz bottle): Water, corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), rice starch and less than 1%: *Mortierella alpina* oil*, *Cryptocodinium cohnii* oil**, vitamin B₁₂, vitamin D₃, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, choline chloride,

A source of arachidonic acid (ARA).

** A source of docosahexaenoic acid (DHA)

inositol, folic acid, vitamin K₁, biotin, diacetyl tartaric esters of mono- and diglycerides (datem), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, taurine, L-carnitine.

A source of arachidonic acid (ARA).

** A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Gentlelease® contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ^{††}	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.4 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.1 g
8 fl oz	8 fl oz	4 unpacked level scoops	34.8 g
1 quart	28.5 fl oz	1 level household measuring cup plus 2 level tablespoons of unpacked powder	125 g

†† Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil Gentlelease tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil Gentlelease formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and "use by" date sticker from the pouch.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

Single-Serve Powder Packets

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Pour entire contents of packet(s) into bottle.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder.

To Make**	Water	Powder
4 fl oz bottle	4 fl oz	1 packet
8 fl oz bottle	8 fl oz	2 packets

** Each packet adds about 0.4 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Single-Serve Powder Packets Storage

Store unopened packets at room temperature. Do not freeze powder, and avoid excessive heat.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

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1. Berseth CL, Johnston WH, Stolz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)*. 2009;48:58-65.
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Enfamil® Reguline™

Designed to Help Support Digestive Health and Promote Soft Stools

Milk-based infant formula that has a prebiotic blend and partially broken down proteins for the first 12 months

INDICATION

Enfamil Reguline is specifically designed to help support digestive health and promote comfortable stools. It is designed to be fed when perceived stooling issues, such as occasional difficult bowel movements, are causes of parental concern.

Long-Term Usage

Enfamil Reguline is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5¹
- Blend of 2 prebiotics proven in Enfamil® Infant formula in published, randomized, controlled trials to soften stools compared with control (Enfamil Infant formula without prebiotics)²⁻⁵
- Has a prebiotic blend proven to soften stools compared to Enfamil Infant formula without prebiotics within 1 week of use³
- Easy-to-digest proteins that are partially hydrolyzed
- 50% of carbohydrates from lactose
- Complete nutrition appropriate for infants to continue feeding through 12 months of age to help support digestive health throughout the first year

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil Infant with DHA and ARA.

† Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2.3	11.7
Fat, g	5.3	27
Linoleic acid, mg	780	4000
Carbohydrate, g	11.1	56
Water, g	133	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1520
Vitamin D, IU	60	300
Vitamin E, IU	2	10.2
Vitamin K, mcg	9	46
Thiamin (Vitamin B ₁), mcg	80	410
Riboflavin (Vitamin B ₂), mcg	140	710
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.52
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	81
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	15.2
Vitamin C (Ascorbic acid), mg	12	61
Choline, mg	24	122
Inositol, mg	6	30
Minerals		
Calcium, mg	82	420
Phosphorus, mg	46	230
Magnesium, mg	8	41
Iron, mg	1.5	7.6
Zinc, mg	1	5.1
Manganese, mcg	15	76
Copper, mcg	75	380
Iodine, mcg	15	76
Selenium, mcg	2.8	14.2
Sodium, mg	36	183
Potassium, mg	108	550
Chloride, mg	63	320

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	9
Fat (% calories)	48
Carbohydrate (% calories)	43
Potential Renal Solute Load (mOsm/100 Calories) ⁶	21
Potential Renal Solute Load (mOsm/100 mL) ⁶	14
Osmolality (mOsm/kg water)	250 (Pwd) 260 (Liq)
Osmolarity (mOsm/L)	230
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® Reguline™ is available in powder and ready-to-use liquid. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, coconut, soy, high oleic sunflower oils), corn syrup solids, lactose and less than 2%: polydextrose[§], galactooligosaccharides[§], *Mortierella alpina* oil^{||}, *Crypthecodinium cohnii* oil[¶], vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, sodium citrate, potassium chloride, potassium iodide, taurine and L-carnitine.

Ingredients: Ready to Use (8 fl oz bottle): Water, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), lactose, corn syrup solids and less than 2%: polydextrose[§], galactooligosaccharides[§], *Mortierella alpina* oil^{||}, *Crypthecodinium cohnii* oil[¶], rice starch, diacetyl tartaric esters of mono- and diglycerides (datem), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, manganese sulfate, potassium iodide, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, vitamin D₃, taurine and L-carnitine.

§ A type of prebiotic.

|| A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Reguline™ contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make*	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.4 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.1 g
8 fl oz	8 fl oz	4 unpacked level scoops	34.8 g

Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil Reguline tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil Reguline formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and "use by" date sticker from the pouch.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on bottle.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

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Enfamil A.R.™

For Spit-Up

Thickened milk-based infant formula
for the first 12 months

INDICATION

Enfamil A.R. is clinically proven to reduce frequent regurgitation and meets the reflux reduction guidance of the American Academy of Pediatrics¹.

Long-Term Usage

Enfamil A.R. is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition until 12 months.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5²
- Proven† in a published, randomized, controlled trial to reduce frequency and volume of regurgitation by more than 50%³
- Meets reflux reduction guidance of the American Academy of Pediatrics¹
- Nutritionally balanced with a nutrient profile similar to routine infant formula
- Less caloric and more nutritionally balanced than adding rice cereal to formula
- Blend of prebiotics to help support digestive health
- Viscosity in the bottle is 10 times that of routine formula⁴, yet flows freely through most standard nipples. Enfamil A.R. thickens further when introduced into an acidic environment like the stomach—12 times thicker vs. Enfamil A.R. in the bottle
- Milk-based formula has 20:80 whey:casein ratio and unmodified, pregelatinized, high amylopectin rice starch

DHA and ARA Fatty Acid Nutrients[‡]

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil® Infant with DHA and ARA.

† Based on a published, double-blind, randomized, controlled trial of Enfamil A.R. with infants who spit up frequently (5 or more spit-ups per day) comparing frequency and volume of spit-up after feeding Enfamil A.R. to the same infants at the beginning of the study.

‡ Per 100 Calories.

NUTRIENTS[§]

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (500 Cal)
Protein, g	2.5	12.4
Fat, g	5.1	25
Linoleic acid, mg	780	3900
Carbohydrate, g	11.3	56
Water, g	133 (Pwd & 2 fl oz) 132 (8 & 32 fl oz)	2.2

Vitamins/Other Nutrients

Vitamin A, IU	300	1490
Vitamin D, IU	60	300
Vitamin E, IU	2	9.9
Vitamin K, mcg	9	45
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	140	700
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.49
Niacin, mcg	1000	5000
Folic acid (Folacin), mcg	16	80
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	14.9
Vitamin C (Ascorbic acid), mg	12	60
Choline, mg	24	119
Inositol, mg	6	30

Minerals

Calcium, mg	78	390
Phosphorus, mg	53	260
Magnesium, mg	8	40
Iron, mg	1.8	9
Zinc, mg	1	5
Manganese, mcg	15	75
Copper, mcg	75	370
Iodine, mcg	15	75
Selenium, mcg	2.8	13.9
Sodium, mg	40	200
Potassium, mg	108	540
Chloride, mg	75	370

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	10
Whey:Casein Ratio	20:80
Fat (% calories)	46
Carbohydrate (% calories)	44
Potential Renal Solute Load (mOsm/100 Calories) ⁵	23
Potential Renal Solute Load (mOsm/100 mL) ⁵	15.3
Osmolality (mOsm/kg water)	240 (Liq) 230 (Pwd)
Osmolarity (mOsm/L)	220 (2 fl oz) 210 (Pwd; 8 & 32 fl oz)
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil A.R.[™] is available in powder and ready-to-use liquid. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Powder: Nonfat milk, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), rice starch, lactose, maltodextrin, galactooligosaccharides¹¹, polydextrose¹¹ and less than 1%: *Mortierella alpina* oil¹¹, *Cryptothecodium cohnii* oil¹¹, calcium carbonate, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, sodium selenite, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle, 32 fl oz can): Water, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), lactose and less than 2%: galactooligosaccharides¹¹, polydextrose¹¹, *Mortierella alpina* oil¹¹, *Cryptothecodium cohnii* oil¹¹, rice starch, maltodextrin, calcium carbonate, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, soy lecithin, mono- and diglycerides, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, carrageenan, inositol, vitamin D₃, taurine, L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette[®] bottle): Water, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), lactose and less than 2%: galactooligosaccharides¹¹, polydextrose¹¹, *Mortierella alpina* oil¹¹, *Cryptothecodium cohnii* oil¹¹, rice starch, maltodextrin, calcium carbonate, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium

¹¹ A type of prebiotic.

¹¹ A source of arachidonic acid (ARA).

A source of docosahexaenoic acid (DHA).

pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, soy lecithin, mono- and diglycerides, choline chloride, carrageenan, inositol, vitamin D₃, taurine, L-carnitine.

POTENTIAL ALLERGENS

Enfamil A.R.™ contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**. Let bottle sit 5 minutes. **SHAKE AGAIN.**

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make**	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	9 g
4 fl oz	4 fl oz	2 unpacked level scoops	18 g
6 fl oz	6 fl oz	3 unpacked level scoops	27 g
8 fl oz	8 fl oz	4 unpacked level scoops	36 g
1 quart	28.5 fl oz	1½ unpacked level household measuring cups	129 g

** Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (tubs and pouches)

Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil A.R. tubs, sold separately. After opening, keep pouch or tub lid tightly closed, store in a dry area and use contents within 1 month. Use with Enfamil A.R. formula only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you must **retain the batch code** and "use by" date sticker from the pouch.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

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Enfamil® ProSobee®

Soy for Sensitive Tummy

Soy-based infant formula for the first 12 months

INDICATION

For babies with sensitive tummies, when a soy formula is preferred.

Enfamil ProSobee is a soy protein isolate formula and is relied on for the routine feeding of some infants with feeding problems resulting from sensitivity to milk-based formula. Enfamil ProSobee includes docosahexaenoic acid (DHA) and arachidonic acid (ARA), nutrients also found in breast milk, that promote brain and eye development. Enfamil ProSobee is a lactose-free soy formula.

Long-Term Usage

Enfamil ProSobee is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition through 12 months of age when indicated.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5¹
- A soy formula specifically designed for infants with fussiness, gas and crying due to sensitivity to milk-based formula
- Clinical results showing improvements in fussiness and gas in 24 hours^{2†}
- Plant-sourced protein
- Soy-based, milk-free and lactose-free
- Has choline, a brain nutrient found in breast milk
- DHA level similar to worldwide breast milk average^{3†}
- Has our blend of DHA and ARA, nutrients also found in breast milk, that promotes brain and eye development⁴⁻¹¹

DHA and ARA Fatty Acid Nutrients[§]

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil® Infant with DHA and ARA.

† vs the same infants at the beginning of the study.

‡ Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women.

§ Per 100 Calories.

NUTRIENTS^{II}

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (510 Cal)
Protein, g	2.5	12.7
Fat, g	5.3	27
Linoleic acid, mg	800 (Pwd) 860 (Liq)	4100
Carbohydrate, g	10.6	54
Water, g	133 (Pwd; 2, 6 & 32 fl oz RTU) 134 (8 & 13 fl oz Conc; 8 fl oz RTU)	2.6
Vitamins/Other Nutrients		
Vitamin A, IU	300	1530
Vitamin D, IU	60	310
Vitamin E, IU	2	10.2
Vitamin K, mcg	8 (32 fl oz RTU) 9 (Pwd; 8 & 13 fl oz Conc; 2, 6 & 8 fl oz RTU)	46
Thiamin (Vitamin B ₁), mcg	80	410
Riboflavin (Vitamin B ₂), mcg	90	460
Vitamin B ₆ , mcg	60	310
Vitamin B ₁₂ , mcg	0.3	1.53
Niacin, mcg	1000	5100
Folic acid (Folacin), mcg	16	81
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	15.3
Vitamin C (Ascorbic acid), mg	12	61
Choline, mg	24	122
Inositol, mg	6	31
Minerals		
Calcium, mg	105	530
Phosphorus, mg	69	350
Magnesium, mg	11 (32 fl oz RTU) 8 (Pwd; 8 & 13 fl oz Conc; 2, 6 & 8 fl oz RTU)	41
Iron, mg	1.8	9.2
Zinc, mg	1.2	6.1
Manganese, mcg	25	127
Copper, mcg	75	380
Iodine, mcg	15	76
Selenium, mcg	2.8	14.2
Sodium, mg	36	183
Potassium, mg	120	610
Chloride, mg	80	410

^{II} Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	10
Fat (% calories)	48
Carbohydrate (% calories)	42
Potential Renal Solute Load (mOsm/100 Calories) ¹²	23
Potential Renal Solute Load (mOsm/100 mL) ¹²	15.6 (Pwd, 8, 13 fl oz Conc; 2, 6, 8, 32 fl oz RTU)
Osmolality (mOsm/kg water)	170 (8, 13 fl oz Conc; 6, 8, 32 fl oz RTU) 178 (Pwd) 200 (2 fl oz RTU)
Osmolarity (mOsm/L)	153 (6, 32 fl oz RTU) 155 (8, 13 fl oz Conc; 8 fl oz RTU) 160 (Pwd) 180 (2 fl oz RTU)
Lactose-Free	Yes
Galactose-Free ¹	Yes

¹ Some metabolic clinicians recommend liquid formulas even though questions have been raised about the availability of galactose bound in the carrageenan in liquid formulas.

PRODUCT FORMS

Enfamil® ProSobee® is available in powder, ready-to-use liquid and concentrate. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (54%), vegetable oil (26%) (palm olein, coconut, soy and high oleic sunflower oils), soy protein isolate (14%) and less than 2%: calcium phosphate, potassium chloride, sodium citrate, calcium carbonate, magnesium chloride, magnesium phosphate, potassium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, *Mortierella alpina* oil*, *Cryptocodonium cohnii* oil**, L-methionine, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate.

Ingredients: Ready To Use: Water (87%), corn syrup solids (7%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), soy protein isolate (2%) and less than 1%: *Mortierella alpina* oil*, *Cryptocodonium cohnii* oil**, mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide,

A source of arachidonic acid (ARA).

** A source of docosahexaenoic acid (DHA).

sodium selenite, sodium chloride, potassium citrate, potassium chloride, L-methionine, taurine, L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water (87%), corn syrup solids (7%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), soy protein isolate (2%) and less than 1%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, calcium phosphate, potassium citrate, calcium carbonate, sodium chloride, magnesium chloride, magnesium phosphate, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, soy lecithin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, vitamin D₃, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, mono- and diglycerides, L-methionine, choline chloride, carrageenan, inositol, taurine, L-carnitine.

Ingredients: Ready to Use (6 fl oz Nursette bottle, 8 fl oz bottle): Water (87%), corn syrup solids (7%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), soy protein isolate (2%) and less than 1%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, calcium phosphate, potassium citrate, sodium chloride, calcium carbonate, potassium chloride, magnesium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, soy lecithin, mono- and diglycerides, L-methionine, carrageenan, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, inositol, vitamin B₁₂, vitamin D₃, taurine, L-carnitine.

Ingredients: Concentrated Liquid (13 fl oz can): Water (75%), corn syrup solids (14%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (6%), soy protein isolate (4%) and less than 1%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium chloride, potassium citrate, potassium chloride, L-methionine, taurine, L-carnitine.

Ingredients: Concentrated Liquid (8 fl oz bottle): Water (75%), corn syrup solids (14%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (7%), soy protein isolate (4%) and less than 2%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, calcium phosphate, potassium citrate, sodium chloride, calcium carbonate, magnesium phosphate, magnesium chloride, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, soy lecithin, mono- and diglycerides, L-methionine, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, inositol, carrageenan, vitamin B₁₂, vitamin D₃, taurine, L-carnitine.

A source of arachidonic acid (ARA).

** A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® ProSobee® contains soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Powder

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make*	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	8.8 g
4 fl oz	4 fl oz	2 unpacked level scoops	17.6 g
6 fl oz	6 fl oz	3 unpacked level scoops	26.4 g
8 fl oz	8 fl oz	4 unpacked level scoops	35.2 g
1 quart	28.5 fl oz	1½ unpacked level household measuring cups	126 g

†† Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.

2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

Concentrate

1. Wash hands thoroughly with soap and water before preparing formula.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour desired amount of water into feeding bottle. Add an **equal** amount of concentrated liquid. **SHAKE OR STIR WELL.**

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Concentrate Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

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Nutramigen® with Enflora™ LGG®*

For Cow's Milk Allergy

* LGG is a registered trademark of Valio Ltd.

INDICATION

Nutramigen with Enflora LGG is an iron-fortified, lactose-free, galactose-free, hypoallergenic infant formula designed for newborns and infants who are allergic to the intact proteins in cow's milk and soy formulas, as well as other foods. Nutramigen with Enflora LGG contains extensively hydrolyzed protein to avoid an immune system response by reducing the allergen exposure, and the probiotic LGG to help support the strength of the intestinal barrier and support digestive health. Nutramigen with Enflora LGG is also appropriate for infants with galactosemia.

Long-Term Usage

In cases of severe and multiple food allergies or intolerances, Nutramigen with Enflora LGG is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of Nutramigen with Enflora LGG in the diet beyond 12 months of age may make a significant contribution to maintenance of good nutrition in such patients. When Nutramigen is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of Nutramigen with Enflora LGG (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis, with attention to developmental as well as nutritional implications of such a dietary regimen.

PRODUCT FEATURES

- Hypoallergenic, lactose-free and galactose-free
- Clinically proven to manage colic due to cow's milk protein allergy **fast**—often within 48 hours^{1,2,†}
- Nutritionally complete
- Contains the probiotic LGG to help support the strength of the intestinal barrier and support digestive health
- Has DHA and ARA, important nutrients also found in breast milk, that promote brain and eye development³⁻¹⁰
- Clinically proven in over 70 clinical studies[†]
- Has been demonstrated in two clinical trials to help infants build tolerance after 12 months of feeding^{11,12}
- Proven to promote skin health in infants through 18 months of age^{13,†}
- Proven to promote gastrointestinal (GI) health within 1 week of use^{14,†}

DHA and ARA Fatty Acid Nutrients[†]

- DHA – 17 mg
- ARA – 34 mg

[†] Some studies were prior to the addition of DHA, ARA and LGG.

[‡] Per 100 Calories.

NUTRIENTS[§]

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (500 Cal)
Protein, g	2.8	13.9
Fat, g	5.3	26
Linoleic acid, mg	860	4300
Carbohydrate, g	10.3	51
Water, g	133	1.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1490
Vitamin D, IU	50	250
Vitamin E, IU	2	9.9
Vitamin K, mcg	9	45
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	90	450
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.49
Niacin, mcg	1000	5000
Folic acid (Folacin), mcg	16	80
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	14.9
Vitamin C (Ascorbic acid), mg	12	60
Choline, mg	24	119
Inositol, mg	17	84
Minerals		
Calcium, mg	94	470
Phosphorus, mg	52	260
Magnesium, mg	8	40
Iron, mg	1.8	8.9
Zinc, mg	1	5
Manganese, mcg	25	124
Copper, mcg	75	370
Iodine, mcg	15	75
Selenium, mcg	2.8	13.9
Sodium, mg	47	230
Potassium, mg	110	550
Chloride, mg	86	430

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	11
Fat (% calories)	48
Carbohydrate (% calories)	41
Potential Renal Solute Load (mOsm/100 Calories) ¹⁵	25
Potential Renal Solute Load (mOsm/100 mL) ¹⁵	16.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-Free	Yes
Galactose-Free	Yes

PRODUCT FORM

Nutramigen® with Enflora™ LGG® is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (45%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (26%), casein hydrolysate (milk)¹¹ (17%), modified corn starch (7%) and less than 2%: *Mortierella alpina* oil¹¹, *Cryptocodinium cohnii* oil*, *Lactobacillus rhamnosus* GG (LGG), vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium citrate, calcium hydroxide, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

II Modified to be better tolerated in milk-allergic babies.

¶ A source of arachidonic acid (ARA).

A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Nutramigen with Enflora LGG contains milk and soy. Nutramigen with Enflora LGG is hypoallergenic. Allergic reactions to extensively hydrolyzed casein formulas are not commonly reported.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour the desired amount of water into the bottle. The amount necessary depends on the desired amount of formula. See following chart.
3. Mix powder formula with cool water (35–75°F); it should feel cool on your wrist. Do not warm. Warming can limit benefits of LGG. Microwaving formula can cause serious burns to baby.

NOTE: Never use hot tap water.

4. Shake for about 5 seconds.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make**	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 packed level scoop	9 g
4 fl oz bottle	4 fl oz	2 packed level scoops	18 g
6 fl oz bottle	6 fl oz	3 packed level scoops	27 g
8 fl oz bottle	8 fl oz	4 packed level scoops	36 g
1 quart	28.5 fl oz	1½ packed level household measuring cups	129 g

** Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either immediately feed or immediately cover and refrigerate at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of can.

CAUTION

This product is not recommended for routine use in very low-birth-weight infants. Some of these infants may be at increased risk of developing gastrointestinal complications.

Use product by date on container. Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

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Nutramigen® with Enflora™ LGG®* Toddler

9–36 Months

For Cow's Milk Allergy

* LGG is a registered trademark of Valio Ltd.

INDICATION

Nutramigen with Enflora LGG Toddler is an iron-fortified, lactose-free, hypoallergenic infant formula for older infants and toddlers who are allergic to the intact proteins in cow's milk or allergic to soy formulas. It is designed to help meet their growing nutritional needs. Nutramigen with Enflora LGG Toddler contains extensively hydrolyzed protein to help avoid an immune system response by reducing the allergen exposure, and the probiotic LGG to help support the strength of the intestinal barrier and help support digestive health.

PRODUCT FEATURES

- Hypoallergenic, lactose-free, iron-fortified
- Designed to help meet the nutritional needs of older infants and toddlers
- Probiotic LGG to help support digestive health
- Increased calcium and some vitamins
- DHA and iron — building blocks of a toddler's brain

DHA and ARA Fatty Acid Nutrients[†]

- DHA – 17 mg
- ARA – 34 mg

† Per 100 Calories.

NUTRIENTS†

(Normal Dilution)

	Per 100 Calories (5 fl oz)	Per 100 grams Powder (480 Cal)
Protein, g	2.5	12
Fat, g	4.3	21
Linoleic acid, mg	690	3300
Carbohydrate, g	12.8	61
Water, g	132	1.93
Vitamins/Other Nutrients		
Vitamin A, IU	300	1440
Vitamin D, IU	60	290
Vitamin E, IU	1.65	7.9
Vitamin K, mcg	13	62
Thiamin (Vitamin B ₁), mcg	110	530
Riboflavin (Vitamin B ₂), mcg	180	860
Vitamin B ₆ , mcg	154	740
Vitamin B ₁₂ , mcg	0.3	1.44
Niacin, mcg	1540	7400
Folic acid (Folacin), mcg	16	77
Pantothenic acid, mcg	660	3200
Biotin, mcg	2.2	10.6
Vitamin C (Ascorbic acid), mg	19	91
Choline, mg	24	115
Inositol, mg	17	82
Minerals		
Calcium, mg	130	620
Phosphorus, mg	72	350
Magnesium, mg	10	48
Iron, mg	1.6	7.7
Zinc, mg	1.1	5.3
Manganese, mcg	50	240
Copper, mcg	75	360
Iodine, mcg	17.6	84
Selenium, mcg	2.5	12
Sodium, mg	37	177
Potassium, mg	122	590
Chloride, mg	80	380

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	10
Fat (% calories)	39
Carbohydrate (% calories)	51
Potential Renal Solute Load (mOsm/100 Calories) [†]	24
Potential Renal Solute Load (mOsm/100 mL) [†]	15.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-Free	Yes
Galactose-Free	Yes

PRODUCT FORM

Nutramigen® with Enflora™ LGG® Toddler is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (45%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (20%), casein hydrolysate[§] (milk) (14%), fructose (10%), modified corn starch (6%) and less than 2%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], *Lactobacillus rhamnosus* GG (LGG), calcium phosphate, potassium citrate, calcium citrate, potassium chloride, calcium hydroxide, magnesium oxide, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, riboflavin, vitamin D₃, thiamin hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, vitamin E acetate, vitamin A palmitate, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

§ Modified to be better tolerated in milk-allergic babies.

|| A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Nutramigen with Enflora LGG Toddler contains milk and soy. Nutramigen with Enflora LGG Toddler is hypoallergenic. Allergic reactions to extensively hydrolyzed casein formulas are not commonly reported.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
 2. Pour the desired amount of water into the bottle or cup. The amount necessary depends on the desired amount of formula. See following chart.
 3. Mix powder formula with cool water (35–75°F); it should feel cool on your wrist. Do not warm. Warming can limit benefits of LGG. Microwaving formula can cause serious burns to baby.
- NOTE: Never use hot tap water.**
4. Shake for about 5 seconds.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make*	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 packed level scoops	27.9 g
8 fl oz bottle	8 fl oz	4 packed level scoops	37.2 g

Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either immediately feed or immediately cover and refrigerate at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is not recommended for routine use in very low-birth-weight infants. Some of these infants may be at increased risk of developing gastrointestinal complications.

Use product by date on container. Nutritional powders are not sterile.

WARNING: Do not warm. Warming may limit the benefits of LGG. Microwaving formula may cause serious burns to baby.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Nutramigen® (Liquids)

For Cow's Milk Allergy

INDICATION

Nutramigen is an iron-fortified, lactose-free, hypoallergenic infant formula designed for newborns and infants who are allergic to the intact proteins in cow's milk and soy formulas, as well as other foods. Nutramigen contains extensively hydrolyzed protein and is proven effective for managing colic due to cow's milk allergy.

Long-Term Usage

Nutramigen is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition through 12 months of age. Normally, in feeding infants, gradual introduction of solid foods after 4–6 months of age is an important developmental as well as nutritional step.

In cases of severe and multiple food allergies or intolerances, Nutramigen is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of Nutramigen in the diet beyond 12 months of age may make a significant contribution to maintenance of good nutrition in such patients. When Nutramigen is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of Nutramigen (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis, with attention to developmental as well as nutritional implications of such a dietary regimen.

PRODUCT FEATURES

- Hypoallergenic and lactose-free
- Clinically proven to effectively manage colic due to cow's milk protein allergy in 48 hours^{1,2,*}
- Nutritionally complete
- Has DHA and ARA, important nutrients also found in breast milk that promote brain and eye development^{9–10}
- Fatty acid profile patterned after breast milk^{11,12,†}

DHA and ARA Fatty Acid Nutrients[‡]

- DHA – 17 mg
- ARA – 34 mg

* Studied before the addition of DHA and ARA.

† Comparison based on fatty acid profile of typical mature U.S. breast milk.

‡ Per 100 Calories.

NUTRIENTS[§]

(Normal Dilution)

Per 100 Calories
(5 fl oz)

Protein, g	2.8
Fat, g	5.3
Linoleic acid, mg	860
Carbohydrate, g	10.3
Water, g	133
Vitamins/Other Nutrients	
Vitamin A, IU	300
Vitamin D, IU	50
Vitamin E, IU	2
Vitamin K, mcg	8 (13 fl oz Conc) 9 (8 fl oz Conc; 2, 6, 8 & 32 fl oz RTU)
Thiamin (Vitamin B ₁), mcg	80
Riboflavin (Vitamin B ₂), mcg	90
Vitamin B ₆ , mcg	60
Vitamin B ₁₂ , mcg	0.3
Niacin, mcg	1000
Folic acid (Folacin), mcg	16
Pantothenic acid, mcg	500
Biotin, mcg	3
Vitamin C (Ascorbic acid), mg	12
Choline, mg	24
Inositol, mg	17
Minerals	
Calcium, mg	94
Phosphorus, mg	52
Magnesium, mg	11 (13 fl oz Conc) 8 (8 fl oz Conc; 2, 6, 8 & 32 fl oz RTU)
Iron, mg	1.8
Zinc, mg	1
Manganese, mcg	25
Copper, mcg	75
Iodine, mcg	15
Selenium, mcg	2.8
Sodium, mg	47
Potassium, mg	110
Chloride, mg	86

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	11
Fat (% calories)	48
Carbohydrate (% calories)	41
Potential Renal Solute Load (mOsm/100 Calories) ¹³	25
Potential Renal Solute Load (mOsm/100 mL) ¹³	16.9
Osmolality (mOsm/kg water)	260 (8 & 13 fl oz Conc) 270 (8 & 32 fl oz RTU) 320 (2 & 6 fl oz RTU)
Osmolarity (mOsm/L)	230 (8 & 13 fl oz Conc) 240 (8 & 32 fl oz RTU) 290 (2 & 6 fl oz RTU)
Lactose-Free	Yes
Galactose-Free	Yes ^{II}

II Some metabolic clinicians recommend liquid formulas even though questions have been raised about the availability of galactose bound in the carrageenan in liquid formulas.

PRODUCT FORMS

Nutramigen® is available in ready-to-use liquid and concentrate. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Ready To Use (2 & 6 fl oz Nursette® bottles, 32 fl oz can): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), casein hydrolysate (milk)^I (2%), modified corn starch (2%) and less than 1%: *Mortierella alpina* oil[#], *Cryptothecodium cohnii* oil^{**}, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, citric acid, taurine, L-cystine, L-tyrosine, L-tryptophan, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (3%), casein hydrolysate^I (milk) (2%), modified corn starch (2%) and less than 1%: *Mortierella alpina* oil[#], *Cryptothecodium cohnii* oil^{**}, calcium phosphate, potassium citrate, calcium carbonate, potassium chloride, sodium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, carrageenan, citric acid, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, L-cystine, inositol, L-tyrosine, L-tryptophan, vitamin B₁₂, taurine, L-carnitine.

^I Modified to be better tolerated in milk-allergic babies.

[#] A source of arachidonic acid (ARA).

^{**} A source of docosahexaenoic acid (DHA).

Ingredients: Concentrated Liquid (8 fl oz bottle): Water (75%), corn syrup solids (10%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (7%), casein hydrolysate[¶] (milk) (4%), modified corn starch (3%) and less than 2%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, calcium phosphate, potassium citrate, calcium carbonate, potassium chloride, sodium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, acetylated monoglycerides, citric acid, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin D₃, L-cystine, carrageenan, inositol, L-tyrosine, L-tryptophan, vitamin B₁₂, taurine, L-carnitine.

Ingredients: Concentrated Liquid (13 fl oz can): Water (75%), corn syrup solids (10%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (7%), casein hydrolysate (milk)[¶] (4%), modified corn starch (3%) and less than 1%: *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, acetylated monoglycerides, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, citric acid, taurine, L-cystine, L-tyrosine, L-tryptophan, L-carnitine.

[¶] Modified to be better tolerated in milk-allergic babies.

[#] A source of arachidonic acid (ARA).

^{**} A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Nutramigen® contains milk and soy. Nutramigen is hypoallergenic. Rarely, however, allergic reactions to extensively hydrolyzed casein formulas have been reported.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Ready To Use

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no

longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nutramigen® does not look or taste like milk or soy formulas. It may separate in the refrigerator. Shake well before feeding.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

Nutramigen does not look or taste like milk or soy formulas. It may separate in the refrigerator. Shake well before feeding.

Concentrate

1. Wash hands thoroughly with soap and water before preparing formula.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour desired amount of water into feeding bottle. Add an **equal** amount of concentrated liquid. **SHAKE OR STIR WELL**.

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Concentrate Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nutramigen does not look or taste like milk or soy formulas. It may separate in the refrigerator. Shake well before feeding.

CAUTION

Use product by date on container.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

This product is not recommended for routine use in very low-birth-weight infants. Some of these infants may be at increased risk of developing gastrointestinal complications.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

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3. Birch EE, Hoffman DR, Uauy R, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res*. 1998;44:201-209.
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7. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J*. 2003;17:A727-A728. Abstract 445.1.
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PurAmino™

Hypoallergenic Amino Acid-Based Formula

INDICATION

PurAmino is an iron-fortified, hypoallergenic, amino acid-based infant formula for the dietary management of infants and toddlers with severe cow's milk protein allergy, not effectively managed by an extensively hydrolyzed formula. PurAmino is also indicated for the dietary management of infants and toddlers with multiple food protein allergies.

Long-Term Usage

PurAmino is designed to provide a sole source of nutrition for infants up to age 6 months and provide a major source of nutrition through 24 months of age, when indicated. In cases of severe and multiple food allergies or intolerances, PurAmino is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of PurAmino in the diet beyond 24 months of age may make a significant contribution to maintenance of good nutrition in such patients.

When PurAmino is used as a milk substitute, the total calcium content of the diet should be assessed.

PurAmino does not have fiber. Dietary reference intakes include a recommendation for fiber for >12 months of age.

Extended use of PurAmino (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis, with attention to developmental as well as nutritional implications of such a dietary regimen.

PRODUCT FEATURES

- Hypoallergenic, iron-fortified
- Nutritionally complete; can be sole source of nutrition up to age 6 months, a major source of nutrition through 24 months
- Has DHA and ARA, important nutrients also found in breast milk, that promote brain and eye development¹⁻⁶
- Suitable for an elemental diet
- 2.8 g protein equivalent/100 Calories

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS†

(Normal Dilution)

	Per 100 Calories (5 fl oz)	Per 100 grams Powder (500 Cal)
Protein equivalent, g	2.8	13.9
Fat, g	5.3	26
Linoleic acid, mg	860	4300
Carbohydrate, g	10.3	51
Water, g	133	1.87
Vitamins/Other Nutrients		
Vitamin A, IU	300	1490
Vitamin D, IU	50	250
Vitamin E, IU	2	9.9
Vitamin K, mcg	8	40
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	90	450
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.49
Niacin, mcg	1000	5000
Folic acid (Folacin), mcg	16	80
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	14.9
Vitamin C (Ascorbic acid), mg	12	60
Choline, mg	24	119
Inositol, mg	17	85
Carnitine, mg	2	9.9
Taurine, mg	6	30
Minerals		
Calcium, mg	94	470
Phosphorus, mg	52	260
Magnesium, mg	11	55
Iron, mg	1.8	9
Zinc, mg	1	5
Manganese, mcg	60	300
Copper, mcg	75	370
Iodine, mcg	15	75
Selenium, mcg	2.8	13.9
Sodium, mg	47	230
Potassium, mg	110	550
Chloride, mg	86	430
Molybdenum, mcg	NA	NA
Chromium, mcg	NA	NA

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NA=None Added

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	11
Fat (% calories)	48
Carbohydrate (% calories)	41
Potential Renal Solute Load (mOsm/100 Calories) ⁷	25
Potential Renal Solute Load (mOsm/100 mL) ⁷	16.9
Osmolality (mOsm/kg water)	350
Osmolarity (mOsm/L)	320
Lactose-Free	Yes
Galactose-Free	Yes

PRODUCT FORM

PurAmino™ is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (49%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (26%), amino acids (L-aspartic acid, L-leucine, L-lysine hydrochloride, L-proline, L-alanine, L-valine, monosodium glutamate, L-isoleucine, L-serine, L-threonine, L-tyrosine, L-arginine, L-phenylalanine, glycine, L-cystine, L-histidine, L-tryptophan, L-methionine) (17%), modified tapioca starch (3%) and less than 2%: *Mortierella alpina* oil†, *Cryptocodinium cohnii* oil§, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, vitamin D₃, folic acid, vitamin K₁, biotin, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate, vitamin B₁₂, calcium phosphate, potassium citrate, calcium citrate, sodium citrate, potassium chloride, calcium hydroxide, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite.

† A source of arachidonic acid (ARA).

§ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

PurAmino contains soy oil. PurAmino is hypoallergenic.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Powder

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour the desired amount of water into the bottle. The amount necessary depends on the desired amount of formula. See following chart.
3. Mix powder formula with cool water (35–75°F); it should feel cool on your wrist. If you prefer, you may mix with warm water, but only if you feed or refrigerate the formula immediately. Warm water is about 100°F or body temperature; it should feel neutral (neither warm nor cool) on your wrist.

NOTE: Never use hot tap water.

4. Shake for about 5 seconds.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ^{II}	Water	Powder	Weight
1 fl oz	1 fl oz	1 unpacked level scoop	4.5 g
2 fl oz	2 fl oz	2 unpacked level scoops	9 g
4 fl oz	4 fl oz	4 unpacked level scoops	18 g
8 fl oz	8 fl oz	8 unpacked level scoops	36 g
1 quart	28.5 fl oz	1 unpacked level household measuring cup plus 2 unpacked level Tbsps	129 g

II Each scoop adds about 0.1 fl oz to the amount of prepared formula. For example, adding 3 unpacked level scoops of powder to 3 fl oz of water will make about 3.3 fl oz of formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by the date on the container.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

This product is not recommended for routine use in very low-birth-weight infants. Some of these infants may be at increased risk of developing gastrointestinal complications.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
2. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
3. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
4. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
5. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
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7. Fomon SJ, Ziegler EE. Renal solute and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Pregestimil®

For Fat Malabsorption Problems

Pregestimil®

INDICATION

Pregestimil is designed for infants who experience fat malabsorption and who may also be sensitive to intact proteins. Fat malabsorption or steatorrhea may be associated with cystic fibrosis, short bowel syndrome, intractable diarrhea and severe protein calorie malnutrition.

Long-Term Usage

Pregestimil is designed to provide a sole source of nutrition for infants up to age 6 months, and to provide a major source of nutrition through 12 months of age. Normally, in feeding infants, gradual introduction of solid foods after 4–6 months of age is an important developmental as well as nutritional step.

In cases of chronic malabsorption disorders, Pregestimil is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of Pregestimil in the diet beyond 12 months of age may make a significant contribution to the maintenance of good nutrition in such patients, and is not known to be harmful in any way. When Pregestimil is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of Pregestimil (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis, with attention to developmental as well as nutritional implications of such a dietary regimen.

PRODUCT FEATURES

- Hypoallergenic and lactose-free
- 55% of the fat from MCT oil
- Designed for infants with fat malabsorption problems
- Ready to use is virtually isotonic
- Has DHA and ARA, important nutrients also found in breast milk, that promote brain and eye development¹⁻⁸
- Available in both powder and Nursette® bottles

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENT VALUES FOR VARIOUS FORMS

Form	Cal	Pro	Fat	Carb	Cal	Pro	Fat	Carb	
	per 100 mL					per fl oz			
Nursette® Bottle – 20 Cal/fl oz	68	1.89 g	3.8 g	6.9 g	20	0.56 g	1.12 g	2 g	
Nursette Bottle – 24 Cal/fl oz	81	2.3 g	4.5 g	8.3 g	24	0.67 g	1.34 g	2.4 g	
	per 100 g					per scoop (8.9 g)			
Powder	500	14 g	28 g	51 g	45	1.25 g	2.5 g	4.5 g	

NUTRIENTS†

(Normal Dilution)

	Per 100 Calories		Per 100 grams
	20 Cal/fl oz RTU & Pwd (5 fl oz)	24 Cal/fl oz RTU (4.2 fl oz)	Powder (500 Cal)
Protein, g	2.8	2.8	14
Fat, g	5.6	5.6	28
Linoleic acid, mg	940	940	4700
Carbohydrate, g	10.2	10.2	51
Water, g	133 (RTU) 131 (Pwd)	108	2.6

Vitamins/Other Nutrients

Vitamin A, IU	350	350	1750
Vitamin D, IU	50	50	250
Vitamin E, IU	4	4	20
Vitamin K, mcg	12	12	60
Thiamin (Vitamin B ₁), mcg	80	80	400
Riboflavin (Vitamin B ₂), mcg	90	90	450
Vitamin B ₆ , mcg	60	60	300
Vitamin B ₁₂ , mcg	0.3	0.3	1.5
Niacin, mcg	1000	1000	5000
Folic acid (Folacin), mcg	16	16	80
Pantothenic acid, mcg	500	500	2500
Biotin, mcg	3	3	15
Vitamin C (Ascorbic acid), mg	12	12	60
Choline, mg	24	24	120
Inositol, mg	17	17	85

Minerals

Calcium, mg	94	94	470
Phosphorus, mg	52	52	260
Magnesium, mg	8	8	40
Iron, mg	1.8	1.8	9
Zinc, mg	1	1	5
Manganese, mcg	25	25	125
Copper, mcg	75	75	380
Iodine, mcg	15	15	75
Selenium, mcg	2.8	2.8	14
Sodium, mg	47	47	240
Potassium, mg	110	110	550
Chloride, mg	86	86	430

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz	24 Calories/fl oz
Protein (% calories)	11	11
Fat (% calories)	48 (RTU) 49 (Pwd)	49
Carbohydrate (% calories)	41 (RTU) 40 (Pwd)	40
Potential Renal Solute Load (mOsm/100 Calories) ⁹	25	25
Potential Renal Solute Load (mOsm/100 mL) ⁹	16.9	20
Osmolality (mOsm/kg water)	290 (RTU) 320 (Pwd)	340
Osmolarity (mOsm/L)	260 (RTU) 280 (Pwd)	310
Lactose-Free	Yes	Yes
Galactose-Free	Yes [*]	Yes [*]

[†] Some metabolic clinicians recommend liquid formulas even though questions have been raised about the availability of galactose bound in the carrageenan in liquid formulas.

PRODUCT FORMS

Pregestimil® is available in powder and ready-to-use liquid. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (42%), casein hydrolysate (milk)[§] (16%), medium-chain triglycerides (MCT oil) (15%), modified corn starch (7%), soy oil (7%), corn oil (2%), high oleic vegetable oil (safflower or sunflower) (2%) and less than 2%: *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[¶], vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium citrate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium citrate, potassium citrate, potassium chloride, potassium hydroxide, sodium selenite, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

Ingredients: 20 Calories/fl oz Ready To Use: Water (87%), corn syrup solids (5%), casein hydrolysate (milk)[§] (2%), medium-chain triglycerides (MCT oil) (2%) and less than 2%: modified corn starch, soy oil, high oleic vegetable oil (safflower and/or sunflower oils), *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[¶], carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium hydroxide, calcium phosphate, potassium phosphate, magnesium chloride,

[§] Modified to be better tolerated in milk-allergic babies.

[¶] A source of arachidonic acid (ARA).

[¶] A source of docosahexaenoic acid (DHA).

ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium citrate, sodium iodide, potassium citrate, sodium selenite, potassium chloride, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

Ingredients: 24 Calories/fl oz Ready To Use: Water (84%), corn syrup solids (6%), casein hydrolysate[§] (milk) (3%), medium-chain triglycerides (MCT oil) (2%), soy oil (2%), modified corn starch (2%) and less than 2%: high oleic vegetable oil (safflower or sunflower oil), *Mortierella alpina* oil[¶], *Cryptocodonium cohnii* oil^{||}, calcium phosphate, potassium citrate, calcium carbonate, magnesium chloride, potassium phosphate, calcium hydroxide, potassium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, thiamin hydrochloride, vitamin D₃, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, carrageenan, choline chloride, inositol, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

§ Modified to be better tolerated in milk-allergic babies.

¶ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Pregestimil® contains milk and soy. Pregestimil is hypoallergenic. Rarely, however, allergic reactions to extensively hydrolyzed casein formulas have been reported.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Use only as directed by a medical professional. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and shake well.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make*	Water	Powder	Weight
2 fl oz	2 fl oz	1 packed level scoop	8.9 g
4 fl oz	4 fl oz	2 packed level scoops	17.8 g
6 fl oz	6 fl oz	3 packed level scoops	26.7 g
8 fl oz	8 fl oz	4 packed level scoops	35.6 g
1 quart	28.5 fl oz	1 packed level household measuring cup	128 g

Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

Pregestimil® does not look or taste like milk or soy formulas. It may separate in the refrigerator. Shake well before feeding.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

Pregestimil does not look or taste like milk or soy formulas. It may separate in the refrigerator. Shake well before feeding. Use product by date on container.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

This product is not recommended for routine use in very low-birth-weight infants. Some of these infants may be at increased risk of developing gastrointestinal complications. Use with directions from the baby's physician.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Birch EE, Hoffman DR, Uauy R, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
2. Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol.* 2000;42:174-181.
3. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
4. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
5. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
6. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
7. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
8. Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
9. Fomon SJ, Ziegler EE. Renal solute and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Toddler Formulas





Enfagrow[®] Toddler Transitions™

Milk-based Infant and Toddler
Formula for 9–18 months

INDICATION

Enfagrow Toddler Transitions is nutrition tailored for toddlers 9–18 months who are transitioning from formula or breast milk. Enfagrow Toddler Transitions has DHA, iron, vitamin C, vitamin E and 26 other nutrients to help support growth and development.

PRODUCT FEATURES

- Nutritionally complete infant and toddler formula
- Has our blend of DHA and ARA, nutrients also found in breast milk, that supports brain and eye development¹⁻⁸
- Has iron to support mental development
- Has antioxidants, including vitamins C and E, to help support toddlers' developing immune systems
- Has calcium and vitamin D to support bone development
- No artificial sweeteners
- No artificial flavoring

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)

	Per 100 Calories (5 fl oz)	Per 100 grams Powder (500 Cal)
Protein, g	2.6	12.9
Fat, g	5.3	26
Linoleic acid, mg	800	4000
Carbohydrate, g	10.8	54
Water, g	132 (Pwd) 133 (RTU)	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1490
Vitamin D, IU	60	300
Vitamin E, IU	2	9.9
Vitamin K, mcg	9	45
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	140	700
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.49
Niacin, mcg	1000	5000
Folic acid (Folacin), mcg	16	79
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	14.9
Vitamin C (Ascorbic acid), mg	12	60
Choline, mg	24	119
Inositol, mg	6	30
Minerals		
Calcium, mg	200	970
Phosphorus, mg	130	650
Magnesium, mg	8	40
Iron, mg	1.5	7.4
Zinc, mg	1	5
Manganese, mcg	15	74
Copper, mcg	75	370
Iodine, mcg	10	50
Selenium, mcg	2.8	13.9
Sodium, mg	36	179
Potassium, mg	130	650
Chloride, mg	80	400

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	10
Fat (% calories)	48
Carbohydrate (% calories)	42
Potential Renal Solute Load (mOsm/100 Calories) ⁹	26
Potential Renal Solute Load (mOsm/100 mL) ⁹	17.6
Osmolality (mOsm/kg water)	270
Osmolarity (mOsm/L)	240
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfagrow® Toddler Transitions™ is available in powder and ready-to-use cans. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), corn syrup solids, lactose, calcium phosphate, galactooligosaccharides[†], polydextrose[†] and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, potassium chloride, sodium chloride, soy lecithin, taurine, L-carnitine.

Ingredients: Ready To Use: Water, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), corn syrup solids, lactose and less than 1%: galactooligosaccharides[†], polydextrose[†], *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, milk protein isolate, mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, ascorbic acid, choline chloride, inositol, calcium hydroxide, calcium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, potassium chloride, potassium citrate, taurine, L-carnitine.

[†] A type of prebiotic.

[§] A source of arachidonic acid (ARA).

^{||} A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow Toddler Transitions contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formulas are not sterile and should **not** be

fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents which formula is appropriate for the baby.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle or cup. Add powder.
3. Cap bottle or cup and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ¹	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 unpacked level scoops	27 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	36 g
1 quart	28.5 fl oz	1½ unpacked level household measuring cups	129 g

¹ Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing formula.
2. Clean can lid, **SHAKE CAN WELL** and open.
3. Pour into feeding bottle(s) or cup(s).

Failure to follow these instructions could result in severe harm. Opened cans and prepared formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Ready To Use Storage

Store unopened cans at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Birch EE, Hoffman DR, Uauy RD, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
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3. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
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9. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfagrow® Toddler Transitions™ Gentlelease®

For Fussiness and Gas

**Milk-based Powder that has
Partially Broken Down Proteins**

**Infant and Toddler Formula
for Ages 9–18 Months**

INDICATION

Enfagrow Toddler Transitions Gentlelease is nutrition tailored for toddlers 9–18 months who are transitioning from formula or breast milk. Enfagrow Toddler Transitions Gentlelease has DHA, iron, vitamin C, vitamin E and 26 other nutrients to help support growth and development.

Enfagrow Toddler Transitions Gentlelease can be helpful in situations where Enfamil® Gentlelease® was used in infancy¹ and sensitivity appears to continue for toddlers aged 9–18 months. Enfagrow Toddler Transitions Gentlelease has an easy-to-digest protein blend with a whey to casein ratio of 60:40 that has been partially broken down.

PRODUCT FEATURES

- Nutritionally complete infant and toddler formula for older infants under 1 year of age
- A special blend of easy-to-digest proteins that have been partially broken down
- Has our blend of DHA and ARA, nutrients also found in breast milk, that supports brain and eye development²⁻⁹
- Has iron to support mental development
- Has antioxidants, including vitamins C and E, to help support toddlers' developing immune systems
- Has calcium and vitamin D to support bone development
- No artificial sweeteners
- No artificial flavoring

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg

- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (500 Cal)
Protein, g	2.6	12.9
Fat, g	5.3	26
Linoleic acid, mg	800	4000
Carbohydrate, g	10.5	52
Water, g	133	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	300	1490
Vitamin D, IU	60	300
Vitamin E, IU	2	9.9
Vitamin K, mcg	9	45
Thiamin (Vitamin B ₁), mcg	80	400
Riboflavin (Vitamin B ₂), mcg	140	700
Vitamin B ₆ , mcg	60	300
Vitamin B ₁₂ , mcg	0.3	1.49
Niacin, mcg	1000	5000
Folic acid (Folacin), mcg	16	80
Pantothenic acid, mcg	500	2500
Biotin, mcg	3	14.9
Vitamin C (Ascorbic acid), mg	12	60
Choline, mg	24	119
Inositol, mg	6	30
Minerals		
Calcium, mg	200	990
Phosphorus, mg	130	650
Magnesium, mg	8	40
Iron, mg	1.5	7.5
Zinc, mg	1	5
Manganese, mcg	15	75
Copper, mcg	75	370
Iodine, mcg	15	75
Selenium, mcg	2.8	13.9
Sodium, mg	40	200
Potassium, mg	130	650
Chloride, mg	80	400

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	10
Fat (% calories)	48
Carbohydrate (% calories)	42
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	26
Potential Renal Solute Load (mOsm/100 mL) ¹⁰	17.8
Osmolality (mOsm/kg water)	230
Osmolarity (mOsm/L)	210
Lactose-Free	No
Galactose-Free	No [†]

† Not recommended for patients with galactosemia.

PRODUCT FORM

Enfagrow® Toddler Transitions™ Gentlelease® is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), calcium phosphate and less than 2%: *Mortierella alpina* oil[§], *Cryptocodonium cohnii* oil^{||}, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamine hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium chloride, potassium iodide, sodium selenite, sodium citrate, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow Toddler Transitions Gentlelease contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formulas are not sterile and should not be fed to infants who might have immune problems unless directed and supervised by a doctor.

Discuss with parents which formula is appropriate for the baby.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle or cup. Add powder.

3. Cap bottle or cup and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ¹	Water	Powder	Weight
6 fl oz	6 fl oz	3 unpacked level scoops	27 g
8 fl oz	8 fl oz	4 unpacked level scoops	36 g
1 quart	28.5 fl oz	1 level household measuring cup plus 3 level tablespoons of unpacked powder	129 g

¹ Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use by date on bottom of can. Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

- 1 Berseth CL, Johnston WH, Stoltz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)* 2009; 48: 58-65.
- 2 Birch EE, Hoffman DR, Uauy RD, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
- 3 Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol.* 2000;42:174-181.
- 4 Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
- 5 Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
- 6 Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
- 7 Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
- 8 Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
- 9 Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
- 10 Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfagrow® Toddler Transitions™ Soy

For Fussiness and Gas When Soy is Preferred
Soy-based Powder
Infant and Toddler Formula for Ages 9–18 Months

INDICATION

Enfagrow Toddler Transitions Soy is nutrition tailored for toddlers 9–18 months who are transitioning from infant formula or breast milk. It is designed to be naturally gentle on a toddler's digestive system. Enfagrow Toddler Transitions Soy has DHA, iron, vitamin C, vitamin E and 26 other nutrients to help support growth and development.

Soy-based toddler formulas, such as Enfagrow Toddler Transitions Soy, are appropriate for use in older infants and toddlers with lactose intolerance and galactosemia¹.

PRODUCT FEATURES

- Milk-free and lactose-free
- Nutritionally complete infant and toddler formula for older infants under 1 year of age
- Has our blend of DHA and ARA, nutrients also found in breast milk, that supports brain and eye development²⁻⁹
- Has iron to support mental development
- Has antioxidants, including vitamins C and E, to help support toddlers' developing immune systems
- Has calcium and vitamin D to support bone development
- No artificial sweeteners
- No artificial flavoring

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 grams Powder (470 Cal)
Protein, g	3.3	15.7
Fat, g	4.4	21
Linoleic acid, mg	720	3400
Carbohydrate, g	11.8	56
Water, g	132	2.6
Vitamins/Other Nutrients		
Vitamin A, IU	300	1420
Vitamin D, IU	60	280
Vitamin E, IU	2	9.5
Vitamin K, mcg	8	38
Thiamin (Vitamin B ₁), mcg	80	380
Riboflavin (Vitamin B ₂), mcg	90	430
Vitamin B ₆ , mcg	60	280
Vitamin B ₁₂ , mcg	0.3	1.42
Niacin, mcg	1000	4700
Folic acid (Folacin), mcg	16	76
Pantothenic acid, mcg	500	2400
Biotin, mcg	3	14.2
Vitamin C (Ascorbic acid), mg	12	57
Choline, mg	24	114
Inositol, mg	6	28
Minerals		
Calcium, mg	200	930
Phosphorus, mg	130	620
Magnesium, mg	11	52
Iron, mg	2	9.5
Zinc, mg	1.2	5.7
Manganese, mcg	50	240
Copper, mcg	75	360
Iodine, mcg	15	71
Selenium, mcg	2.8	13.3
Sodium, mg	36	171
Potassium, mg	120	570
Chloride, mg	80	380

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	13
Fat (% calories)	40
Carbohydrate (% calories)	47
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	30
Potential Renal Solute Load (mOsm/100 mL) ¹⁰	20
Osmolality (mOsm/kg water)	230
Osmolarity (mOsm/L)	200
Lactose-Free	Yes
Galactose-Free	Yes

PRODUCT FORM

Enfagrow® Toddler Transitions™ Soy is available in powder. For information about ordering, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids (57%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (20%), soy protein isolate (18%), calcium phosphate (3%) and less than 1%: *Mortierella alpina* oil†, *Cryptocodoninum cohnii* oil§, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, potassium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium chloride, potassium chloride, potassium citrate, L-methionine, taurine, L-carnitine.

† A source of arachidonic acid (ARA).

§ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow Toddler Transitions Soy contains soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formulas are not sterile and should not be fed to infants who might have immune problems unless directed and supervised by a doctor.

Discuss with parents which formula is appropriate for the baby.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle or cup. Add powder.
3. Cap bottle or cup and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in can.

To Make ¹¹	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 unpacked level scoops	28.2 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	37.6 g
1 quart	28.5 fl oz	1½ unpacked level household measuring cups	135 g

¹¹ Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Bhatia J, Greer F; American Academy of Pediatrics Committee on Nutrition. Use of soy protein-based formulas in infant feeding. *Pediatrics*. 2008;121:1062-1068.
2. Birch EE, Hoffman DR, Uauy RD, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res*. 1998;44:201-209.
3. Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol*. 2000;42:174-181.
4. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr*. 2002;75:570-580.
5. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J*. 2003;17:A727-A728. Abstract 445.1.
6. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr*. 2003;142:669-677.
7. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr*. 2000;31:540-553.
8. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr*. 2005;81:871-879.
9. Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev*. 2005;81:197-203.
10. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Enfagrow® Toddler Next Step™ Vanilla

Milk Drink Powder for Older Toddlers
1 Year to 3 Years Old

INDICATION

Enfagrow Toddler Next Step Vanilla is nutrition tailored for older toddlers 1 to 3 years old who are transitioning from infant formula, breast milk or whole milk.

Enfagrow Toddler Next Step Vanilla is a nutritional complement for a toddler's diet and has the key nutrients for toddlers like vitamins D, C, iron, calcium and DHA, an important building block of the developing brain.

PRODUCT FEATURES

- First ingredient is milk
- 22 total nutrients to help support growth, such as DHA and iron to help support healthy brain growth
- A dual prebiotics blend, designed to help support digestive health and clinically proven to result in soft, frequent stools¹
- DHA may be missing from a toddler's diet; 2 servings a day can help bridge the gap
- Antioxidants to help support the immune system
- Calcium and vitamin D to support bone development

DHA Fatty Acid Nutrients*

- DHA – 10.6 mg

* Per 100 Calories.

Nutrition Facts

Serving Size: 1/3 cup powder (36 g)

Amount per serving

Calories	160	Calories from Fat	60
Total Fat	6 g		
Saturated Fat	2.5 g		
Trans Fat	0 g		
Cholesterol	5 mg		
Sodium	80 mg		
Potassium	300 mg		
Total Carbohydrate	20 g		
Dietary Fiber	<1 g		
Sugars	13 g		
Protein	6 g		

% Daily Value

Protein	40%	• Niacin	35%
Vitamin A	20%	• Vitamin B ₆	50%
Vitamin C	25%	• Folic Acid	30%
Calcium	30%	• Biotin	20%
Iron	25%	• Pantothenic Acid	25%
Vitamin D	40%	• Phosphorous	25%
Vitamin E	25%	• Magnesium	20%
Thiamin	45%	• Zinc	35%
Riboflavin	45%	• Copper	30%

NUTRIENTS[†]

(Normal Dilution)

	Per 160 Calories (serving)	Per 100 grams Powder (440 Cal)
Protein, g	6	17.8
Fat, g	6	17.5
Linoleic acid, mg	ND	ND
Carbohydrate, g	20	56
Water, g	177	2.4
Vitamins/Other Nutrients		
Vitamin A, IU	500	1390
Vitamin D, IU	150	420
Vitamin E, IU	2.7	7.5
Vitamin K, mcg	NA	NA
Thiamin (Vitamin B ₁), mcg	300	830
Riboflavin (Vitamin B ₂), mcg	360	1000
Vitamin B ₆ , mcg	360	1000
Vitamin B ₁₂ , mcg	NA	NA
Niacin, mcg	3000	8300
Folic acid (Folacin), mcg	57	158
Pantothenic acid, mcg	1130	3100
Biotin, mcg	30	83
Vitamin C (Ascorbic acid), mg	10	28
Choline, mg	NA	NA
Inositol, mg	NA	NA
Minerals		
Calcium, mg	250	690
Phosphorus, mg	187	520
Magnesium, mg	38	106
Iron, mg	2.5	6.9
Zinc, mg	2.6	7.2
Manganese, mcg	ND	ND
Copper, mcg	300	830
Iodine, mcg	NA	NA
Selenium, mcg	NA	NA
Sodium, mg	80	220
Potassium, mg	300	830
Chloride, mg	ND	ND

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NA=None Added

ND=Not Declared

NUTRIENT FACTS

Nutrient Density	23 Calories/fl oz
Protein (% calories)	16
Fat (% calories)	35
Carbohydrate (% calories)	49
Potential Renal Solute Load (mOsm/100 Calories) ²	34
Potential Renal Solute Load (mOsm/100 mL) ²	26
Osmolality (mOsm/kg water)	Not available
Osmolarity (mOsm/L)	Not available
Lactose-Free	No
Galactose-Free [†]	No

† Not recommended for patients with galactosemia.

PRODUCT FORM

Enfagrow® Toddler Next Step™ Vanilla is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Nonfat milk, corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), sugar, galactooligosaccharides[§], polydextrose[§] and less than 1%: magnesium phosphate, calcium carbonate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, natural and artificial flavor, tuna fish oil^{||}, ascorbic acid, niacinamide, ascorbyl palmitate, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin E acetate, vitamin A palmitate, soy lecithin.

§ A type of prebiotic.

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow Toddler Next Step Vanilla contains milk and soy.

PREPARATION OF FEEDINGS

POWDER

Add 4 unpacked level scoops (1/3 cup, 36 g) of powder to 6 fl oz of water. Shake well, serve immediately. Store **DRY** scoop in can.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Ribeiro TC, Costa-Ribeiro H Jr., Almeida PS, et al. Stool pattern changes in toddlers consuming a follow-on formula supplemented with polydextrose and galactooligosaccharides. *J Pediatr Gastroenterol Nutr.* 2012;54:288-290.
2. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfagrow® Toddler Next Step™ Natural Milk Flavor (with Other Natural Flavor)

Milk Drink Powder for Older Toddlers
1 to 3 Years Old

INDICATION

Enfagrow Toddler Next Step Natural Milk Flavor is nutrition tailored for toddlers 1 to 3 years old who are transitioning from infant formula, breast milk or whole milk.

Enfagrow Toddler Next Step Natural Milk Flavor is a nutritional complement for a toddler's diet and has the key nutrients for toddlers like vitamins D, C, iron, calcium and DHA, an important building block for the developing brain. It has a natural milk* taste designed to appeal to a toddler's tastes, making it easier to deliver the nutrition he might still need.

* With other natural flavor.

PRODUCT FEATURES

- First ingredient is milk
- 22 total nutrients to help support growth, such as DHA and iron to help support healthy brain growth
- A dual prebiotics blend, designed to help support digestive health and clinically proven to result in soft, frequent stools¹
- DHA may be missing from a toddler's diet; 2 servings a day can help bridge the gap
- Antioxidants to help support the immune system
- Calcium and vitamin D to support bone development

DHA Fatty Acid Nutrients[†]

- DHA – 10.6 mg

[†] Per 100 Calories.

Nutrition Facts

Serving Size: 1/3 cup powder (36 g)

Amount per serving

Calories	160	Calories from Fat	60
Total Fat	6 g		
Saturated Fat	2.5 g		
Trans Fat	0 g		
Cholesterol	5 mg		
Sodium	80 mg		
Potassium	300 mg		
Total Carbohydrate	20 g		
Dietary Fiber	<1 g		
Sugars	11 g		
Protein	6 g		

% Daily Value

Protein	40%	• Niacin	35%
Vitamin A	20%	• Vitamin B ₆	50%
Vitamin C	25%	• Folic Acid	30%
Calcium	30%	• Biotin	20%
Iron	25%	• Pantothenic Acid	25%
Vitamin D	40%	• Phosphorous	25%
Vitamin E	25%	• Magnesium	20%
Thiamin	45%	• Zinc	35%
Riboflavin	45%	• Copper	30%

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories	Per 100 grams Powder (440 Cal)	Per Serving (160 Cal)
Protein, g	4	17.8	6
Fat, g	3.9	17.5	6
Linoleic acid, mg	ND	ND	ND
Carbohydrate, g	12.5	56	20
Water, g	111	2.6	177
Vitamins/Other Nutrients			
Vitamin A, IU	310	1390	500
Vitamin D, IU	94	420	150
Vitamin E, IU	1.69	7.5	2.7
Vitamin K, mcg	NA	NA	NA
Thiamin (Vitamin B ₁), mcg	188	830	300
Riboflavin (Vitamin B ₂), mcg	230	1000	360
Vitamin B ₆ , mcg	230	1000	360
Vitamin B ₁₂ , mcg	NA	NA	NA
Niacin, mcg	1880	8300	3000
Folic acid (Folacin), mcg	36	158	57
Pantothenic acid, mcg	710	3100	1130
Biotin, mcg	18.8	83	30
Vitamin C (Ascorbic acid), mg	6.3	28	10
Choline, mg	NA	NA	NA
Inositol, mg	NA	NA	NA
Minerals			
Calcium, mg	156	690	250
Phosphorus, mg	117	520	187
Magnesium, mg	24	106	38
Iron, mg	1.56	6.9	2.5
Zinc, mg	1.63	7.2	2.6
Manganese, mcg	ND	ND	ND
Copper, mcg	188	830	300
Iodine, mcg	NA	NA	NA
Selenium, mcg	NA	NA	NA
Sodium, mg	50	220	80
Potassium, mg	188	830	300
Chloride, mg	ND	ND	ND

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NA=None Added

ND=Not Declared

NUTRIENT FACTS

Nutrient Density	23 Calories/fl oz
Protein (% calories)	16
Fat (% calories)	35
Carbohydrate (% calories)	49
Potential Renal Solute Load (mOsm/100 Calories) ²	34
Potential Renal Solute Load (mOsm/100 mL) ²	26
Osmolality (mOsm/kg water)	Not available
Osmolarity (mOsm/L)	Not available
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfagrow® Toddler Next Step™ Natural Milk Flavor (with Other Natural Flavor) is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Nonfat milk, corn syrup solids, vegetable oil§ (palm olein, coconut, soy and high oleic sunflower oils), galactooligosaccharides^{II}, polydextrose^{II} and less than 1%: calcium carbonate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate^I, cupric sulfate, tuna fish oil#, niacinamide, ascorbic acid, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, vitamin D₃, riboflavin, folic acid, biotin, ascorbyl palmitate, vitamin E acetate, vitamin A palmitate, natural flavor, soy lecithin.

§ A source of linoleic and linolenic acid.

II A type of prebiotic.

I A source of manganese.

A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow Toddler Next Step Natural Milk Flavor contains milk and soy.

PREPARATION OF FEEDINGS

POWDER

Add 4 unpacked level scoops (1/3 cup, 36 g) of powder to 6 fl oz of water. Shake well; serve immediately. Store **DRY** scoop in can.

Powder Storage (cans)

Store cans at room temperature. After opening the can, keep it tightly covered, store in a dry area and use the contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCE

1. Ribeiro TC, Costa-Ribeiro H Jr., Almeida PS, et al. Stool pattern changes in toddlers consuming a follow-on formula supplemented with polydextrose and galactooligosaccharides. *J Pediatr Gastroenterol Nutr.* 2012;54:288-290.
2. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfagrow® Next Step® Ready-to-Drink Cartons

Natural Milk Flavor and Vanilla

Ready-to-Drink Milk Drink for Toddlers
1 Year and Up

INDICATION

Enfagrow Next Step Ready-to-Drink (RTD) products are great-tasting, milk-based drinks for older toddlers 1 year and up. Enfagrow Next Step RTD milk drinks are a nutritional complement for a toddler's diet and have the key nutrients for toddlers like vitamins D, C, iron, calcium and DHA, an important building block of the developing brain.

PRODUCT FEATURES

- First ingredient is milk
- 19 total nutrients to help support growth, such as DHA and iron to help support healthy brain growth
- A dual prebiotics blend, designed to help support digestive health and clinically proven to result in soft, frequent stools¹
- DHA may be missing from a toddler's diet; 2 servings a day can help bridge the gap
- Antioxidants to help support the immune system
- Calcium and vitamin D to support bone development
- Easy-to-open with no scissors necessary. Peel and pour into a cup or use the enclosed straw to enjoy

Nutrition Facts

Serving Size: 1 carton (8.25 fl oz)

Servings per container: 4

Amount per serving

Calories	120	Calories from Fat	25
Total Fat	2.5 g		
Saturated Fat	1.5 g		
Trans Fat	0 g		
Cholesterol	15 mg		
Sodium	90 mg		
Potassium	370 mg		
Total Carbohydrate	16 g		
Dietary Fiber	<1 g		
Sugars	14 g		
Protein	8 g		

% Daily Value

Protein	50%	• Thiamin	6%
Vitamin A	20%	• Riboflavin	30%
Vitamin C	25%	• Vitamin B ₁₂	10%
Calcium	40%	• Pantothenic Acid	20%
Iron	10%	• Phosphorous	30%
Vitamin D	50%	• Magnesium	15%
Vitamin E	25%	• Zinc	35%

NUTRITION FACTS**Natural Milk Flavor and Vanilla**

Serving Size 1 carton (8.25 fl oz)

Servings per container: 4

	Per serving	% DV per serving
Calories	120	
Calories from Fat	25	
Total Fat, g	2.5	
Saturated Fat, g	1.5	
Trans Fat, g	0	
Cholesterol, mg	15	
Sodium, mg	90	
Potassium, mg	370	
Total Carbohydrate, g	16	
Dietary Fiber, g	<1	
Sugars, g	14	
Protein, g	8	50%
Vitamin A, IU	480	20%
Vitamin C, mg	10	25%
Calcium, mg	300	40%
Iron, mg	1	10%
Vitamin D, IU	200	50%
Vitamin E, IU	2.7	25%
Thiamin, mcg	42	6%
Riboflavin, mcg	240	30%
Vitamin B ₁₂ , mcg	0.3	10%
Pantothenic Acid, mcg	900	20%
Phosphorous, mg	220	30%
Magnesium, mg	27	15%
Zinc, mg	2.7	35%

NUTRIENT FACTS

Nutrient Density	Natural Milk Flavor & Vanilla
Protein (% calories)	27
Fat (% calories)	19
Carbohydrate (% calories)	54
Potential Renal Solute Load (mOsm/100 Calories) ²	58
Potential Renal Solute Load (mOsm/100 mL) ²	30
Osmolality (mOsm/kg water)	N/A
Osmolarity (mOsm/L)	N/A
Lactose-Free	No
Galactose-Free	No
N/A=Not Available	

PRODUCT FORMS

Enfagrow® Next Step® Ready-to-Drink products are available in Natural Milk and Vanilla-flavored cartons. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Natural Milk Flavor: Ready To Use: Low-fat milk and less than 1%: galactooligosaccharides, polydextrose, sugar, fish oil (cod and salmon), ascorbic acid, vitamin E acetate, vitamin A palmitate, vitamin D₃, gellan gum, ferrous sulfate, zinc sulfate, sunflower lecithin.

Ingredients: Vanilla: Ready To Use: Low-fat milk and less than 1%: galactooligosaccharides, polydextrose, sugar, artificial flavor, fish oil (cod and salmon), ascorbic acid, vitamin E acetate, vitamin A palmitate, vitamin D₃, gellan gum, ferrous sulfate, zinc sulfate, sunflower lecithin.

POTENTIAL ALLERGENS

Enfagrow Next Step Ready-to-Drink products contain milk and soy.

PREPARATION OF FEEDINGS

READY TO DRINK

Chill, shake well and serve. Refrigerate after opening and use within 48 hours.

Remove foil seal and pour into cup or use interlocking straw to drink straight from this carton: fully extend straw, pierce seal with pointed end and insert fully.

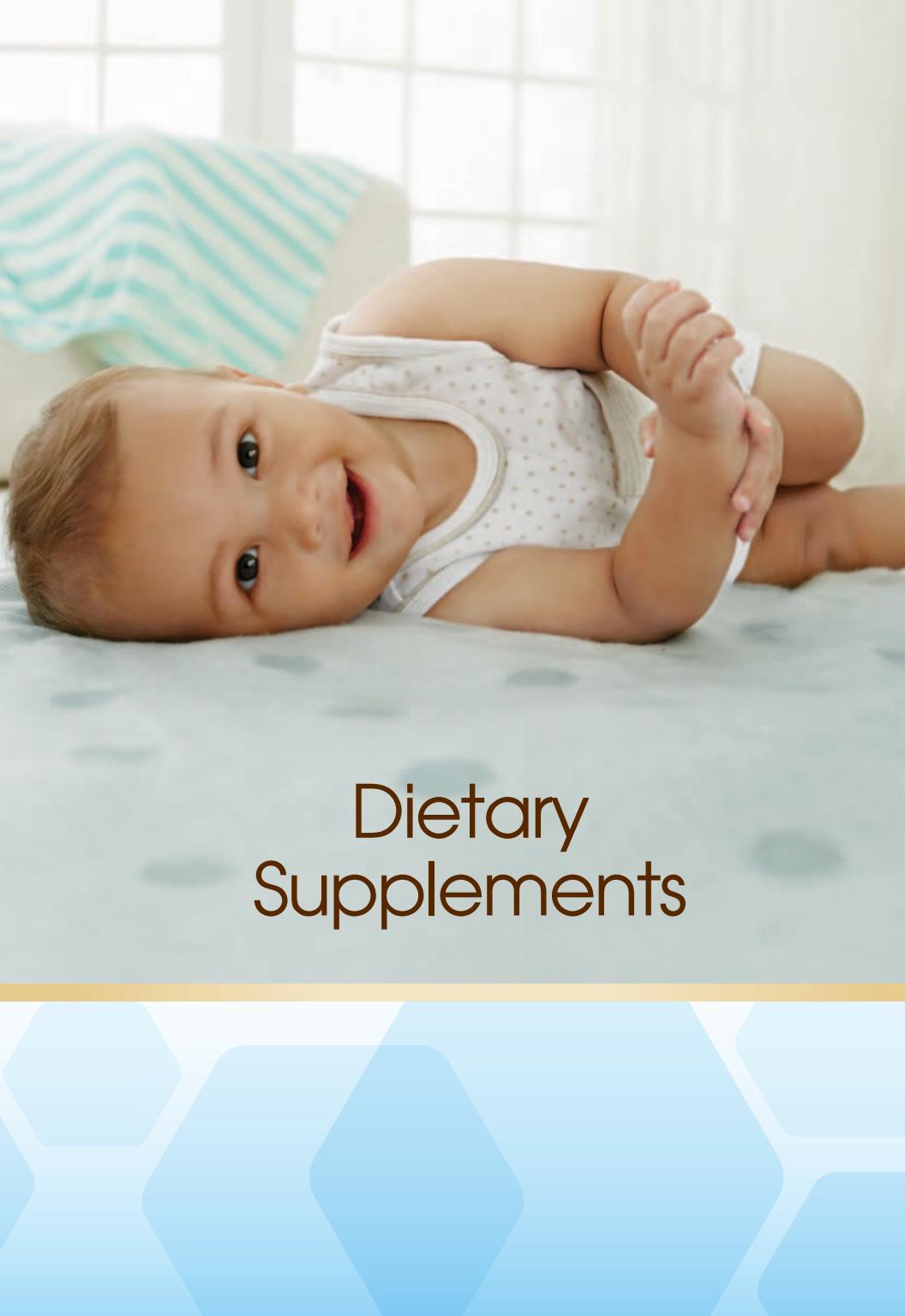
Ready to Drink Storage

Unopened cartons may be stored at room temperature; avoid excessive heat and do not freeze. **Use by date on top of carton.**

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Ribeiro TC, Costa-Ribeiro H Jr., Almeida PS, et al. Stool pattern changes in toddlers consuming a follow-on formula supplemented with polydextrose and galactooligosaccharides. *J Pediatr Gastroenterol Nutr.* 2012;54:288-290.
2. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Dietary Supplements



Enfamil® D-Vi-Sol®

Liquid Vitamin D Supplement

INDICATION

Vitamin D supplementation for infants and children.

Enfamil D-Vi-Sol Liquid Vitamin D Supplement is recommended for all breastfed and supplementing babies.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil D-Vi-Sol Liquid Vitamin D Supplement provides 400 IU of vitamin D in one daily dose.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Enfamil D-Vi-Sol Liquid Vitamin D Supplement does not contain ingredients derived from the most common food allergies: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

Refrigeration is not required.

NUTRIENTS

Drops (per mL)		
Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin D, IU 400	100	100

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil D-Vi-Sol Liquid Vitamin D Supplement increases the osmolality by +110 mOsmol/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

PRODUCT FORM

Enfamil D-Vi-Sol Liquid Vitamin D Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 262.

Usual Daily Dose

Drops: 1.0 mL

COMPOSITION

Ingredients: Glycerin, water, polysorbate 80, artificial flavor, caramel color, citric acid (antioxidant for vitamin D), vitamin D₃, sodium citrate.

ADMINISTRATION

Drops: Now includes an easy-to-use syringe. The syringe is marked with 0.25 mL, 0.5 mL, 0.75 mL and 1.0 mL dose lines. To administer directly, place the syringe in the child's mouth with the tip against the inside of the cheek. A firm pressure on the syringe bulb will deliver the proper dose. A slight excess will remain in the syringe. If preferred, the drops may be slowly mixed with formula, juice, cereal or other food and fed within 1 hour.

STORAGE

Store at room temperature. Refrigeration is not required, but will not harm the drops.

PRECAUTIONS

As with all vitamin products, parents should be cautioned against excessive dosage. The bottle should be kept out of the reach of children.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Wagner CL, Greer FR, and the American Academy of Pediatrics Section on Breastfeeding and Committee on Nutrition. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Testing was conducted in September 2009 by Mead Johnson Nutrition, Quality Control.



Enfamil® Poly-Vi-Sol®

Liquid Multivitamin Supplement

INDICATION

Multivitamin supplementation for infants and children.

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement is recommended for infants around 4–6 months of age who are transitioning to solid foods.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement has 9 important vitamins in a convenient daily dose. It is an excellent supplement for a child when transitioning to solid foods, during growth spurts and for the picky eater. Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement (without iron) is recommended for children who have sufficient iron in their diet or the possibility of too much.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement does not contain ingredients derived from the most common food allergies: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

Refrigeration is not required.

NUTRIENTS

	Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin E, IU	5	100	50
Vitamin C, mg	35	100	88
Thiamin, mg	0.5	100	71
Riboflavin, mg	0.6	100	75
Niacin, mg	8	100	89
Vitamin B ₆ , mg	0.4	100	57
Vitamin B ₁₂ , mcg	2	100	67

Note: Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement does not include folic acid.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil® Poly-Vi-Sol® increases the osmolality by +160 mOsmol/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

PRODUCT FORM

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 262.

Usual Daily Dose

Drops: 1.0 mL

COMPOSITION

Ingredients: Glycerin, water, ascorbic acid, vitamin E succinate, niacinamide, polysorbate 80, ferrous sulfate (stabilizer for vitamin B₁₂), caramel color, vitamin A palmitate, thiamin hydrochloride, riboflavin-5-phosphate sodium, vitamin D₃, vitamin B₆ hydrochloride, natural and artificial flavor, sulfuric acid (antioxidant for iron), vitamin B₁₂, sulfites.

ADMINISTRATION

Drops: Now includes an easy-to-use syringe. The syringe is marked with 0.25 mL, 0.5 mL, 0.75 mL and 1.0 mL dose lines. To administer directly, place the syringe in the child's mouth with the tip against the inside of the cheek. A firm pressure on the syringe bulb will deliver the proper dose. A slight excess will remain in the syringe. If preferred, the drops may be slowly mixed with formula, juice, cereal or other food and fed within 1 hour.

STORAGE

Store at room temperature. Refrigeration is not required, but will not harm the drops.

PRECAUTIONS

As with all vitamin products, parents should be cautioned against excessive dosage. The bottle should be kept out of the reach of children.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Wagner CL, Greer FR, and the American Academy of Pediatrics Section on Breastfeeding and Committee on Nutrition. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Testing was conducted in September 2009 by Mead Johnson Nutrition, Quality Control.



Enfamil® Poly-Vi-Sol® with Iron

Liquid Multivitamin Supplement

INDICATION

Multivitamin and iron supplementation for infants and children.

Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement is recommended for infants around 4–6 months of age who are transitioning to solid foods.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement has 8 important vitamins and iron in a convenient daily dose and is an excellent supplement for a child's transition to solid foods, during growth spurts and for the picky eater. Infants may especially require supplemental iron, as around 4–6 months of age, infants begin to lose their iron stores that they have accreted during the third trimester of pregnancy.

Enfamil Poly-Vi-Sol does not contain ingredients derived from the most common food allergies: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Refrigeration is not required.

NUTRIENTS

	Drops (per mL)	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin E, IU	5	100	50
Vitamin C, mg	35	100	88
Thiamin, mg	0.5	100	71
Riboflavin, mg	0.6	100	75
Niacin, mg	8	100	89
Vitamin B6, mg	0.4	100	57
Elemental Iron, mg	10*	67	100

*From 50 mg ferrous sulfate heptahydrate.

Note: Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement does not include folic acid.

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement does not include vitamin B₁₂ since it is unstable in a solution that has the concentrations of iron and vitamin C found in Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement increases the osmolality by +160 mOsmol/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

PRODUCT FORM

Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 262.

Usual Daily Dose

Drops: 1.0 mL

COMPOSITION

Ingredients: Glycerin, water, ascorbic acid, ferrous sulfate, vitamin E succinate, niacinamide, polysorbate 80, caramel color, riboflavin-5-phosphate sodium, vitamin A palmitate, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, natural and artificial flavor, sulfuric acid (antioxidant for iron), sulfites.

ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, Poison Control Center or hospital emergency should be notified immediately. **Patients with a known exposure of more than 40 mg/kg of elemental iron, or with severe, persistent symptoms related to iron ingestion, should be referred to a healthcare facility for medical evaluation and observation.** The vitamin ingredients would not be expected to cause ill effects from a one-time overdose.

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of the reach of children.

ADMINISTRATION

Drops: Now includes an easy-to-use syringe. The syringe is marked with 0.25 mL, 0.5 mL, 0.75 mL and 1.0 mL dose lines. To administer directly, place the syringe in the child's mouth with the tip against the inside of the cheek. A firm pressure on the syringe bulb will deliver the proper dose. A slight excess will remain in the syringe. If preferred, the drops may be slowly mixed with formula, juice, cereal or other food and fed within 1 hour.

STORAGE

Store at room temperature. Refrigeration is not required, but will not harm the drops.

PRECAUTIONS

As with all vitamin products, parents should be cautioned against excessive dosage. The bottle should be kept out of the reach of children.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Wagner CL, Greer FR, and the American Academy of Pediatrics Section on Breastfeeding and Committee on Nutrition. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Testing was conducted in September 2009 by Mead Johnson Nutrition, Quality Control.



Enfamil® Tri-Vi-Sol®

Liquid Vitamins A, C and D Supplement

INDICATION

Vitamins A, C and D supplementation.

Enfamil Tri-Vi-Sol Liquid Vitamins Supplement is recommended for breastfed and partially breastfed babies.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Tri-Vi-Sol Liquid Vitamins Supplement has 3 frequently recommended vitamins in amounts that are suitable for daily administration to infants in a convenient daily dose. Most breastfed babies require a vitamin D supplement such as Enfamil® D-Vi-Sol® Liquid Vitamin D Supplement. However, there may be certain maternal conditions that warrant additional vitamins such as vitamin A or iron deficiency.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Enfamil Tri-Vi-Sol Liquid Vitamins Supplement does not contain ingredients derived from the most common food allergies: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

Refrigeration is not required.

NUTRIENTS

	Drops (per mL)	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin C, mg	35	100	88

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Tri-Vi-Sol Liquid Vitamins Supplement increases the osmolality by +115 mOsmol/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

PRODUCT FORM

Enfamil Tri-Vi-Sol Liquid Vitamins Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 262.

Usual Daily Dose

Drops: 1.0 mL

COMPOSITION

Ingredients: Glycerin, water, polysorbate 80, ascorbic acid, sodium hydroxide, natural and artificial flavor, caramel color, vitamin A palmitate, vitamin D₃.

ADMINISTRATION

Drops: Now includes an easy-to-use syringe. The syringe is marked with 0.25 mL, 0.5 mL, 0.75 mL and 1.0 mL dose lines. To administer directly, place the syringe in the child's mouth with the tip against the inside of the cheek. A firm pressure on the syringe bulb will deliver the proper dose. A slight excess will remain in the syringe. If preferred, the drops may be slowly mixed with formula, juice, cereal or other food and fed within 1 hour.

STORAGE

Store at room temperature. Refrigeration is not required, but will not harm the drops.

PRECAUTIONS

As with all vitamin products, parents should be cautioned against excessive dosage. The bottle should be kept out of the reach of children.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Wagner CL, Greer FR, and the American Academy of Pediatrics Section on Breastfeeding and Committee on Nutrition. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Testing was conducted in September 2009 by Mead Johnson Nutrition, Quality Control.



Enfamil® Fer-In-Sol® Liquid Iron Supplement

INDICATION

Enfamil Fer-In-Sol Liquid Iron Supplement is for the supplemental iron needs of infants and children. Infants, who may especially require supplemental iron, include infants of anemic mothers^{1,2}, low-birth-weight infants^{1,3,4} and infants of mothers with poorly controlled diabetes⁴.

SIDE EFFECTS

While taking iron, stools may appear darker in color. This is normal and no cause for concern. When taking iron drops, temporary discoloration of teeth or dentures may occur. The discoloration can be minimized by thorough brushing and will gradually disappear after iron therapy is completed. For infants, a small amount of baking soda or non-fluoridated tooth powder, placed on a small cloth and rubbed on the teeth once a week, will minimize this temporary discoloration.

NUTRIENTS

Dosage	Ferrous Sulfate, mg	Elemental Iron, mg	% DV Infants	% DV Children under age 4 years
0.5 mL	37.5	7.5	50	75
1.0 mL	75	15	100	150

Source of iron is ferrous sulfate heptahydrate.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Fer-In-Sol Liquid Iron Supplement increases the osmolality by +55 mOsmol/kg water⁵. If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

PRODUCT FORM

Enfamil Fer-In-Sol Liquid Iron Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 262.

Usual Daily Dose

Drops: 1.0 mL or as prescribed.

COMPOSITION

Ingredients: Water, sugar, sorbitol, ferrous sulfate, citric acid (antioxidant for iron), alcohol (0.2% v/v), sodium bisulfite (preservative), and natural flavors.

ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, Poison Control Center or hospital emergency should be notified immediately. **Patients with a known exposure of more than 40 mg/kg of elemental iron, or with severe, persistent symptoms related to iron ingestion, should be referred to a healthcare facility for medical evaluation and observation⁶.**

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of the reach of children.

ADMINISTRATION

Drops: Now includes an easy-to-use syringe. The syringe is marked with 0.25 mL, 0.5 mL, 0.75 mL and 1.0 mL dose lines. To administer directly, place the syringe in the child's mouth with the tip against the inside of the cheek. A firm pressure on the syringe bulb will deliver the proper dose. A slight excess will remain in the syringe. If preferred, the drops may be slowly mixed with formula, juice, cereal or other food and fed within 1 hour.

STORAGE

Store at room temperature. Refrigeration is not required, but will not harm the drops.

PRECAUTIONS

As with all products providing iron, parents should be warned against excessive dosage. The bottle should be kept out of reach of children.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. American Academy of Pediatrics, Section on Breastfeeding. Breastfeeding and the use of human milk. *Pediatrics*. 2005;115:496-506.
2. Food and Nutrition Board, Institute of Medicine. Calcium. Iron In: *Dietary Reference Intakes for Vitamin A, Vitamin K, Arsenic, Boron, Chromium, Copper, Iodine, Iron, Manganese, Molybdenum, Nickel, Silicon, Vanadium, and Zinc*. Washington, DC: National Academy Press; 2001.
3. American Academy of Pediatrics, Committee on Nutrition. Kleinman RE, ed. *Pediatric Nutrition Handbook*. 6th ed. Elk Grove Village, Ill: AAP; 2009:414-415.
4. American Academy of Pediatrics, Committee on Nutrition. Iron fortification of infant formulas. *Pediatrics*. 1999;104:119-123.
5. Data on File. Mead Johnson Nutrition, Sep 2009.
6. Manoguerra AS, Erdman AR, Booze LL, et al for the American Association of Poison Control Centers. Iron ingestion: an evidence-based consensus guideline for out-of-hospital management. *Clin Toxicol (Phila)*. 2005;43:553-570.



Enfamil® Expecta® Prenatal Dietary Supplement

For Pregnant and Nursing Moms

INDICATION

Enfamil Expecta Prenatal Dietary Supplement is for pregnant and nursing women. It helps supply DHA and other important nutrients their diet may lack.

- DHA, folic acid, and other important vitamins and minerals
- Choline—a nutrient most prenatal supplements lack
- Vitamin D—50% more than One a Day® Women's Prenatal

The patient should consult her doctor before taking any supplement.

Docosahexaenoic acid (DHA) is an omega-3 fatty acid that is an important structural element of the brain and retina*.†. In fact, DHA is a component important for baby's brain and eye development**.

PRODUCT FEATURES

Nutrition from Preconception through Weaning

DHA

Meets the level recommended by WHO/FAO^{1†} and is one of the prenatal supplements that has a non-fish DHA source

- Rapidly accumulates in the brain during the third trimester and the first years of life^{2,3}
- Helps support prenatal and postnatal brain and eye development^{4,5†}

Choline

Added to help meet the level recommended for pregnancy and lactation by the Institute of Medicine⁶—most prenatal supplements lack this nutrient

- Helps support brain development^{7,*†}

One A Day is a registered trademark of an entity unrelated to Mead Johnson & Company, LLC.

* These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

† The effects of DHA on infant brain and eye development have been studied using a range of methods and different sources of DHA including fish oils and DHA derived from algae (which is the source used in Expecta). The chemical structure of DHA is the same, regardless of which of these sources is used. For more information, see references.

‡ IU: international units; WHO/FAO = World Health Organization/Food and Agriculture Organization of the United Nations.

Vitamin D

Has 600 IU vitamin D—50% more than One a Day® Women's Prenatal[§]

- Supports bone health^{8*}
- Supplementing with vitamin D in pregnant women may help improve maternal vitamin D levels, which are commonly insufficient during pregnancy⁹

Folic Acid

Meets level recommended by the Institute of Medicine⁶

- May help support neural tube development^{6*}

Additional Key Vitamins and Minerals

To help meet recommended daily values

- Nutrients you've come to expect in a supplement to help support growth and development*

DHA INTAKES

- While a daily value for DHA has not been established, expert panels have recommended at least 200 mg DHA/day for pregnant and nursing women^{1,10}
- The average intake of DHA by pregnant or nursing women in the U.S. is about 54 mg/day¹¹
- Dietary DHA sources include foods such as salmon, tuna and other fatty fish. The FDA and EPA have advised pregnant and nursing women to avoid certain fish due to mercury levels, and to eat up to 12 ounces per week of a variety of fish and shellfish that are lower in mercury

One A Day is a registered trademark of an entity unrelated to Mead Johnson & Company, LLC.

* These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

§ Enfamil Expecta Prenatal has not been shown to be superior to Women's One-A-Day in promoting infant bone health.

SUPPLEMENT FACTS

Softgel

Serving Size 1 softgel	Amount Per Serving	% DV
Calories	5	-
Total Fat, g	0.5	1% ^{II}
DHA ^I , mg	200	¶

II Percent daily values are based on a 2000 calorie diet.

¶ Daily value not established.

Multivitamin and Mineral Tablet

Serving Size 1 tablet	Amount Per Serving	% DV [#]
Vitamin A (50% as Beta-Carotene, 50% Vitamin A Acetate), IU	4000	50%
Vitamin C (as Ascorbic Acid), mg	60	100%
Vitamin D (as D ₃ Cholecalciferol), IU	600	150%
Vitamin E (as Vitamin E Acetate), IU	30	100%
Thiamin (as Thiamin Mononitrate), mg	1.7	100%
Riboflavin, mg	2	100%
Niacin (as Niacinamide), mg	20	100%
Vitamin B ₆ (as Pyridoxine Hydrochloride), mg	2.5	100%
Folic Acid, mcg	800	100%
Vitamin B ₁₂ , mcg	8	100%
Biotin, mcg	300	100%
Pantothenic Acid (as Calcium Pantothenate), mg	10	100%
Calcium (as Calcium Carbonate), mg	300	23%
Iron (as Ferrous Fumarate), mg	28	156%
Iodine (as Potassium Iodide), mcg	150	100%
Magnesium (as Magnesium Oxide), mg	50	11%
Zinc (as Zinc Oxide), mg	15	100%
Copper (as Cupric Sulfate), mg	2	100%
Choline (as Choline Bitartrate), mg	55	¶

¶ Daily value not established.

% daily value for pregnant/lactating women.

DIRECTIONS FOR USE

One softgel and one tablet daily with a meal. Swallow whole with water.

PRODUCT FORM

Enfamil® Expecta® Prenatal Dietary Supplement is available in a carton pack with 30 DHA softgel and 30 multivitamin and mineral tablets. For ordering information, please refer to page 262.

COMPOSITION

As noted in supplement facts.

Gelatin, glycerin, high oleic sunflower oil, water, lemon oil, soy lecithin, rosemary extract, colors (carmine and turmeric), ascorbyl palmitate (antioxidant) and mixed natural tocopherols (antioxidant).

Microcrystalline cellulose, partially hydrolyzed polyvinyl alcohol, titanium dioxide, polyethylene glycol, magnesium stearate, hydroxypropyl methylcellulose, croscarmellose sodium, fish gelatin (vitamin E emulsifier derived from cod, pollock, haddock, hake, cusk, redfish, sole and flounder), mono- and diglycerides, talc, beef gelatin, ethyl cellulose, yellow 6 lake, antioxidants (sodium ascorbate, dl-alpha-tocopherol, citric acid), BHT (a preservative). May contain shrimp.

CAUTION

Store at room temperature in a dry place; keep tightly closed.

Protect from excessive heat or freezing.

Do not use if safety seal bearing **SEALED FOR YOUR PROTECTION** underneath cap is torn or missing.

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. KEEP THIS PRODUCT OUT OF REACH OF CHILDREN. In case of accidental overdose, call a doctor or poison control center immediately.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Agriculture Organization of the United Nations. Fats and fatty acids in human nutrition. Report of an expert consultation. *FAO Food Nutr Pap*. 2010;91:1-166.
2. Makrides M. Is there a dietary requirement for DHA in pregnancy? *Prostaglandins Leukot Essent Fatty Acids*. 2009;81:171-174.
3. Koletzko B, Lien E, Agostoni C, et al. The roles of long-chain polyunsaturated fatty acids in pregnancy, lactation and infancy. Review of current knowledge and consensus recommendations. *J Perinat Med*. 2008;36:5-14.
4. Brenna JT, Lapillonne A. Background paper on fat and fatty acid requirements during pregnancy and lactation. *Ann Nutr Metab*. 2009;55:97-122.
5. Jensen CL, Voigt RG, Llorente AM, et al. Effects of early maternal docosahexaenoic acid intake on neuropsychological status and visual acuity at five years of age of breast-fed term infants. *J Pediatr*. 2010;157:900-905.
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7. Zeisel SH, Niculescu MD. Perinatal choline influences brain structure and function. *Nutr Rev*. 2006;64:197-203.
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Hospital Feeding Systems

Hospital Feeding Systems

Mead Johnson is committed to advancing the science of pediatric nutrition by providing a comprehensive line of hospital products and accessories to give infants an excellent start in life.

NURSETTE® BOTTLES

Vacuum-sealed, disposable Nursette bottles for oral/enteral feeding are commercially sterile and convenient. Nursette bottles are easy to open and designed to be used with Enfamil® ready-to-use (40 mm) screw-type disposable nipple units described below.

NURSETTE BOTTLES AVAILABLE

Disposable 2 fl oz bottles, conveniently packed, 48 per case and 6 fl oz bottles conveniently packed, 24 per case. The bottles are made of polypropylene and carry the #5 recycling code. They are not made with BPA or phthalates including DEHP.

Routine – 2 fl oz

6 fl oz



Enfamil®
Newborn
20 Cal/fl oz
#165701



Enfamil® Infant
20 Cal/fl oz
#136601



Enfamil® 24
24 Cal/fl oz
#166801



Enfamil® Infant
20 Cal/fl oz
#145803

Solutions and Specialty Products – 2 fl oz



Enfamil®
Gentleseal®
20 Cal/fl oz
#146401



Enfamil®
ProSobee®
20 Cal/fl oz
#144901



Enfamil A.R.™
20 Cal/fl oz
#145301



Nutramigen®
20 Cal/fl oz
#143701



Pregestimil®
20 Cal/fl oz
#143301



Pregestimil®
24 Cal/fl oz
#143401

Solutions and Specialty Products – 6 fl oz



Enfamil®
Gentlease®
20 Cal/fl oz
#129501



Enfamil®
ProSobee®
20 Cal/fl oz
#026107



Nutramigen®
20 Cal/fl oz
#429704

NICU Products – 2 fl oz



Enfamil®
Premature
Low Iron
20 Cal/fl oz
#139401



Enfamil®
Premature
Iron Fortified
20 Cal/fl oz
#139201



Enfamil®
Premature
Low Iron
24 Cal/fl oz
#139101



Enfamil®
Premature
Iron Fortified
24 Cal/fl oz
#139301



Enfamil®
Premature
High Protein
24 Cal/fl oz
#148101



Enfamil®
Premature
30 Cal/fl oz
#137601

NICU Products



Enfamil® Human Milk
Fortifier Acidified Liquid
100 vials/carton
2 cartons/case
#146301



Enfamil® Human Milk
Fortifier Powder
100 units/carton
2 cartons/case
#201418



Enfamil®
EnfaCare®
22 Cal/fl oz
#139001



Enfaport™
6 fl oz
#129601

To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.

Oral Electrolyte



Enfamil®
Enfalyte® Oral
Electrolyte
Solution
#026509

Enfamil®
Enfalyte® Oral
Electrolyte
Solution 6 fl oz
#026510

PREPARATION OF FEEDINGS

Using Nursette® Bottles and Enfamil® Nipples

To assemble Nursette bottle units:

- Wash hands according to hospital procedures.
- Place bottles and nipple units on a clean work surface designated specifically for formula preparation.
- Inspect bottle to ensure integrity of seal and unit; inspect nipple unit to ensure integrity of package.
- Shake bottle well.
- Twist cap on bottle to loosen but do not remove cap.
- Remove sealed bottom cover from nipple unit.
- Remove cap from bottle and twist on nipple collar until tight.
- The soft cover may be used to help protect the nipple until the baby is fed.

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Hospital guidelines limit refrigerated storage time to 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. (See page 277 for tube feeding hang times.) Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

CAUTION

Use product by date on container.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

For information about preparation and feeding of infant formulas in healthcare facilities, see the book: Robbins ST, Meyer SR, eds. *Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities*. Chicago, Ill: American Dietetic Association; 2011.

FEEDING BOTTLES

Mead Johnson distributes plastic bottles, Snappies® Breast Milk Storage Containers, Grad-U-Feed® Nurses and Cleft Lip/Palate Nurses. All are ready to use and disposable. They are not made with BPA or phthalates including DEHP.

Plastic Bottles

Convenient plastic bottles hold 8 fl oz and come complete with an Enfamil® Standard-Flow Soft nipple, a nipple collar and a nipple cover. The bottles are made of polypropylene. There are 48 bottles in each case.



Ready-To-Use
Plastic Bottles 48/case
#028401



Grad-U-Feed Nurse
100/case
#033901



Grad-U-Feed Caps
750/case
#006802



70 mL Snappies
Breast Milk
Storage Container
200/case
#134801



35 mL Snappies
Breast Milk
Storage Container
100/case
#134807

Grad-U-Feed® Caps

These white plastic caps are designed to fit the Grad-U-Feed Nurse. They must be sterilized before use and are designed to be used one time only. There are 750 caps per case.

Snappies Breast Milk Storage Containers

Snappies are available in 70 mL or 2.3 fl oz or 35 mL or 1.2 fl oz breast milk storage containers with sterile interiors. Snappies are designed as one piece. The flip-top cap is conveniently hinged to the Snappies container so it can be opened and closed with one hand. The bottles are designed to collect, store and feed expressed breast milk. The bottles can withstand freezing temperatures as low as minus 70° F.

Snappies is a trademark of Thermo Fisher Scientific Inc.

To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.

Additional Breast Milk Storage Containers



11 mL
Colostrum Container
100/case
#132401



10 fl oz
Breast Milk
Storage Container
100/case
#134809



4 fl oz
Breast Milk
Storage Container
250/case
#134808

Cleft Lip/Palate Nurser

The Cleft Lip/Palate Nurser is a squeezable bottle that holds 6 fl oz. It comes with an elongated nipple designed for babies with a cleft lip or cleft palate. The nurser is made of low-density polyethylene. The nipple is made of surgical-grade plastic and is not made with natural rubber latex. There are 72 Cleft Lip/Palate Nursers per case.



Cleft Lip/Palate Nurser
72/case
#200101

ORAL WATERS

Enfamil® Water for Oral Use comes in a Nursette® bottle, is commercially sterile and is intended for oral use only.

Enfamil® 5% Glucose in Water comes in a Nursette bottle and provides 5 grams of glucose in 100 mL of water.



Enfamil
Water for
Oral Use
#134501



Enfamil
5% Glucose
in Water
#134601

PACIFIERS

The NUK® Newborn Orthodontic Pacifier-Exerciser is available in quantities of 100 pacifiers per case. The NUK Newborn Orthodontic Nipple is made of rubber and contains latex. Silicone oil is used during the manufacturing of NUK Newborn Orthodontic Nipples.

NUK is a registered trademark of MAPA, Germany.



NUK Newborn
Orthodontic
Pacifier-Exerciser
#210702

**To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.**

ENFAMIL® NIPPLES

Enfamil nipples are ready-to-use, individually wrapped and vented to allow airflow while the baby is sucking. They are not made with BPA, natural or synthetic rubber latex, or phthalates including DEHP. They will fit most bottles with standard or classic-size bottle openings, including our Nursette® bottles, Enfamil® Plastic Bottles, Grad-U-Feed® Nursers, Cleft Lip/Palate Nursers and Snappies®.



Enfamil
Standard-Flow
Soft Nipple
#428816



Enfamil
Slow-Flow Soft
Nipple
#433905



Enfamil
Cross-Cut
Nipple
#428813



Enfamil
Neonatal
Nipple
#420202



NUK®
Newborn
Orthodontic
Nipple
#210502

STARTER KITS

Created for both breastfeeding and formula-feeding moms, the Enfamil® Pack 'n Cool™ is customized with helpful resources and offers tailored to the feeding method mom chooses.

ENFAMIL PACK 'N COOL

Newborn Powder Starter Kit for Breastfeeding/Supplementing	#3006-C7
Newborn Powder Starter Kit for Formula-Feeding	#3006-C6
Newborn Liquid Starter Kit	#3006-D4
Newborn/Gentlease Powder Starter Kit for Formula-Feeding	#3006-D2
Support Kit for NICU Parents	#3006-D1

ENFAMIL® ENFACARE® DISCHARGE

Enfamil EnfaCare Keepsake – Liquid	#3006-D8
Enfamil EnfaCare Keepsake – Powder	#3006-D7

Product information can also be found at MeadJohnson.com/pediatrics





Enfamil® 24

Milk-based Infant Formula for Term Infants

INDICATION

Enfamil 24 is a milk-based, iron-fortified formula for full-term infants who require an increased caloric density. It has the same trusted nutritional source as Enfamil® Newborn and is designed for newborns.

PRODUCT FEATURES

- A Neuro Complete™ blend of nutrients that are also found in breast milk
- Has a DHA and ARA blend shown* to foster a child's learning ability up to age 5[†]
- Easy-to-digest, 80:20 whey-to-casein protein blend
- DHA level similar to worldwide breast milk average^{2†} to support mental, visual and immune system development
- Choline to help support brain development
- A dual prebiotics blend—GOS (galactooligosaccharides) and polydextrose—to support the growth of beneficial gut bacteria, which emerging science suggests can help support the immune system^{3,4}
- Important vitamin D

DHA and ARA Fatty Acid Nutrients[†]

- DHA – 17 mg
- ARA – 34 mg

* Shown in Enfamil® Infant with DHA and ARA.

† Average level of DHA in worldwide breast milk is $0.32\% \pm 0.22\%$ (mean \pm standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women.

‡ Per 100 Calories.

NUTRIENTS[§]

(Normal Dilution)

	Per 100 Calories (4.2 fl oz)	Per 100 mL ^{II}
Protein, g	2.1	1.7
Fat, g	5.3	4.3
Linoleic acid, mg	800	650
Carbohydrate, g	11.2	9.1
Water, g	112	91
Vitamins/Other Nutrients		
Vitamin A, IU	300	240
Vitamin D, IU	75	61
Vitamin E, IU	2	1.62
Vitamin K, mcg	9	7.3
Thiamin (Vitamin B ₁), mcg	80	65
Riboflavin (Vitamin B ₂), mcg	140	114
Vitamin B ₆ , mcg	60	49
Vitamin B ₁₂ , mcg	0.3	0.24
Niacin, mcg	1000	810
Folic acid (Folacin), mcg	16	13
Pantothenic acid, mcg	500	410
Biotin, mcg	3	2.4
Vitamin C (Ascorbic acid), mg	12	9.7
Choline, mg	24	19.5
Inositol, mg	6	4.9
Minerals		
Calcium, mg	78	63
Phosphorus, mg	43	35
Magnesium, mg	8	6.5
Iron, mg	1.8	1.46
Zinc, mg	1	0.81
Manganese, mcg	15	12.2
Copper, mcg	75	61
Iodine, mcg	15	12.2
Selenium, mcg	2.8	2.3
Sodium, mg	27	22
Potassium, mg	108	88
Chloride, mg	63	51

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

II At 24 Cal/fl oz (0.81 Cal/mL)

NUTRIENT FACTS

Nutrient Density	24 Calories/fl oz
Protein (% calories)	8.5
Fat (% calories)	48
Carbohydrate (% calories)	43.5
Potential Renal Solute Load (mOsm/100 Calories) ⁵	19.1
Potential Renal Solute Load (mOsm/100 mL) ⁵	15.4
Osmolality (mOsm/kg water)	370
Osmolarity (mOsm/L)	340
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® 24 is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Ready To Use: Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), whey protein concentrate and less than 1%: polydextrose¹, galactooligosaccharides¹, *Mortierella alpina* oil[#], *Cryptocodinium cohnii* oil^{**}, potassium citrate, calcium phosphate, calcium chloride, magnesium phosphate, sodium chloride, calcium carbonate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, vitamin B₁₂, vitamin D₃, biotin, soy lecithin, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

¹ A type of prebiotic.

[#] A source of arachidonic acid (ARA).

^{**} A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil 24 contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Discuss with parents whether they need to boil a clean nipple in water before use.

Nursette Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.

3. **SHAKE BOTTLE WELL** and remove cap.

4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette® Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

CAUTION

Use product by date on container.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
2. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
3. Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007; 44:359-364.
4. Nakamura N, Gaskins HR, Collier CT, et al. Molecular ecological analysis of fecal bacterial populations from term infants fed formula supplemented with selected blends of prebiotics. *Appl Environ Microbiol.* 2009; 75:1121-1128.
5. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Enfalyte®

Fruit-flavored Oral Electrolyte Maintenance Solution

INDICATION

Enfamil Enfalyte is designed to be fed to infants and children for the maintenance of water and electrolytes that might otherwise be lost during vomiting and diarrhea.

PRODUCT FEATURES

- Carbohydrate from corn syrup solids to help replace the electrolytes and water one might lose from vomiting and diarrhea
- Ready to use; no mixing or dilution required
- Made with natural fruit flavor
- Balanced levels of electrolytes not found in soft drinks and juices
- Low osmolality (160 mOsm/kg water)
- Lactose-free

PRODUCT FORM

Enfamil Enfalyte is available in ready-to-use 2 fl oz and 6 fl oz plastic Nursette® bottles. For ordering information, please refer to page 262.

COMPOSITION

	Per 100 mL	
	mEq	mg
Sodium	5	115
Potassium	2.5	98
Chloride	4.5	160
Corn Syrup Solids		3 g per 100 mL
Calories		126 Calories per L
Citrates		33 mEq per L

Ingredients: Water, corn syrup solids, salt (sodium chloride), potassium citrate, natural flavor, sodium citrate, citric acid.

ADMINISTRATION

Young children or those with other underlying conditions, febrile children, children with dysentery (blood or mucus in stools), significant diarrhea or persistent vomiting, and a caregiver's report of signs and symptoms of dehydration or a change in mental status should have a medical evaluation to check for other serious conditions presenting with

diarrhea, and to rule out conditions where oral rehydration would be contraindicated.

For Infants and Young Children

In 2004, the American Academy of Pediatrics (AAP) endorsed¹ the Centers for Disease Control and Prevention's report² that children and nursing infants who have diarrhea and who are not dehydrated should continue to be fed age-appropriate diets. The dietary management of dehydration in children weighing less than 10 kg (22 pounds) with minimal dehydration includes replacement of ongoing losses with 2–4 fl oz of oral rehydration fluids for each watery stool or for each episode of vomiting; larger children should be given twice as much. The dietary management of children with mild or moderate dehydration should include replacement of their estimated fluid deficit within 2–4 hours using 50–100 mL per kilogram of weight, in addition to replacement for ongoing losses. Physicians should guide parents on appropriate intakes based on the weight, rate of fluid loss and clinical status of the infant.

Nursing infants should continue nursing on demand. Formula-fed infants who require rehydration should be fed age-appropriate diets as soon as they have been rehydrated. Lactose-free diets are rarely necessary following diarrhea.

For Older Children and Adults

Enfamil® Enfalyte® is recommended for all ages of children and adults. Older children and adults should continue their normal diet during episodes of diarrhea.

Intake should be adjusted on the basis of clinical indications, amount of fluid loss, patients' usual water intake and other relevant factors.

Enfamil Enfalyte in Conjunction with Other Fluids

When severe fluid losses or accumulated deficits require parenteral fluid therapy, Enfamil Enfalyte may be given orally while the infant, child or adult is also receiving parenteral therapy to supply part of the estimated fluid needs. Careful attention must be paid to the amount of Enfamil Enfalyte consumed as it contributes to the total fluid intake. After emergency needs have been met, Enfamil Enfalyte alone (orally) may be used. Once the patient can tolerate regular foods, they may be introduced and the amount of Enfamil Enfalyte correspondingly decreased.

METHOD OF ADMINISTRATION

Enfamil Enfalyte may be fed to infants from a bottle with nipple or a spoon, and to children and adults from a cup, spoon or straw. The calculated fluid deficient should be given in the first 2–4 hours. Ongoing losses should be replaced as they occur.

The baby's health depends on carefully following these directions.

The bottles are not made with natural rubber latex.

Examine the bottle for signs of damage. For home use, discuss with parents the need to boil nipple assembly in water.

Remove cap and attach nipple unit (not included), or pour into clean feeding cup.

After opening, feed immediately, or cover and refrigerate Enfamil® Enfalyte® and feed within 24 hours. Throw away remaining Enfamil Enfalyte in feeding bottle or cup within 1 hour after feeding begins. Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze.

CAUTION

Use product by date on container.

Urgent needs due to severe fluid imbalances must be met parenterally.

Discontinue Enfamil Enfalyte when diarrhea has ceased.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

WARNING: Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids.

Not for parenteral (I.V.) use.

Enfamil Enfalyte is not nutritionally complete. Additional breast milk, formula and/or food should be given as directed by the physician. The AAP endorses¹ the Centers of Disease Control and Prevention's report² that children and nursing infants who have diarrhea and who are not dehydrated should continue to be fed age-appropriate diets. Children who require rehydration should be fed age-appropriate diets as soon as they have been rehydrated.

Enfamil Enfalyte should not be used in the presence of severe, persistent diarrhea, intractable vomiting, adynamic ileus, intestinal obstruction or perforated bowel.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. American Academy of Pediatrics. Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy. *Pediatrics*. 2004;114:507.
2. King CK, Glass R, Bresee JS, et al. for the Centers for Disease Control and Prevention. *MMWR Recomm Rep*. 2003;52(RR-16):1-16. Available at: <http://www.cdc.gov/mmwr/PDF/RR/RR5216.pdf>. Accessed January 30, 2009.



NICU Products



Enfamil® Premature 20 Cal

Milk-based Infant Formulas for
Premature or Low-Birth-Weight Infants

INDICATION

Enfamil Premature is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk.

When more than 14 fl oz (414 mL) of 20 Calories/fl oz product is used per day, which may occur in larger infants weighing over 2500 g (5.5 lbs) consuming only Enfamil Premature, intake of some nutrients (eg, fat soluble vitamins) may be excessive. In such circumstances, it should be used only at the direction and under the supervision of a doctor. Enfamil® EnfaCare® may be a product to consider in such circumstances.

PRODUCT FEATURES

- 3 g of protein/100 Calories—appropriate level for growth and development¹⁻⁴
- Levels of calcium, phosphorus and vitamin D within the ranges recommended by experts for bone mineralization and growth¹⁻³
- Has our blend of DHA and ARA, nutrients also found in breast milk to help promote brain and eye development⁵⁻¹²
- Has 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{13,14}
- Nucleotide patterned after average free nucleotide level in breast milk¹⁵⁻¹⁸

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories	Per 100 mL
Protein, g	3	2
Fat, g	5.1	3.4
Linoleic acid, mg	810	550
Carbohydrate, g	11	7.4
Water, g	133	90
Vitamins/Other Nutrients		
Vitamin A, IU	1250	850
Vitamin D, IU	240	162
Vitamin E, IU	6.3	4.3
Vitamin K, mcg	8	5.4
Thiamin (Vitamin B ₁), mcg	200	135
Riboflavin (Vitamin B ₂), mcg	300	200
Vitamin B ₆ , mcg	150	101
Vitamin B ₁₂ , mcg	0.25	0.17
Niacin, mcg	4000	2700
Folic acid (Folacin), mcg	40	27
Pantothenic acid, mcg	1200	810
Biotin, mcg	4	2.7
Vitamin C (Ascorbic acid), mg	20	13.5
Choline, mg	20	13.5
Inositol, mg	44	30
Minerals		
Calcium, mg	165	112
Phosphorus, mg	83	56
Magnesium, mg	9	6.1
Iron, mg [†]	1.8 (0.5) [§]	1.22 (0.34) [§]
Zinc, mg	1.5	1.01
Manganese, mcg	6.3	4.3
Copper, mcg	120	81
Iodine, mcg	25	16.9
Sodium, mg	58	39
Potassium, mg	98	66
Chloride, mg	90	61

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

[‡] Iron (when using Low Iron) should be considered for the premature infant.

[§] Numbers in parentheses are Low Iron levels.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% calories)	12
Fat (% calories)	44
Carbohydrate (% calories)	44
Potential Renal Solute Load (mOsm/100 Calories) ¹⁹	27
Potential Renal Solute Load (mOsm/100 mL) ¹⁹	18.4
Osmolality (mOsm/kg water)	240
Osmolarity (mOsm/L)	220
Lactose-Free	No
Galactose-Free	No

PRODUCT FORM

Enfamil® Premature is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Ready To Use: Water, nonfat milk, corn syrup solids, lactose, medium-chain triglycerides (MCT oil), whey protein concentrate, soy oil, high oleic vegetable oil (sunflower and/or safflower) and less than 0.5%: *Mortierella alpina* oil¹¹, *Cryptothecodium cohnii* oil¹¹, soy lecithin, mono- and diglycerides, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium carbonate, calcium chloride, calcium hydroxide, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium citrate, sodium chloride, potassium citrate, taurine, L-carnitine, nucleotides (adenosine 5'-monophosphate, cytidine 5'-monophosphate, disodium guanosine 5'-monophosphate, disodium uridine 5'-monophosphate).

¹¹ A source of arachidonic acid (ARA).

¹¹ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Discuss with parents whether they need to boil a clean nipple in water before use.

Nursette Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.

3. SHAKE BOTTLE WELL and remove cap.

4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Enfamil® Premature may be provided at full strength or diluted for initial feedings. If it is diluted, progression to full strength should be made rapidly, as tolerated. If Enfamil Premature formula is fed to very low-birth-weight infants or stressed low-birth-weight infants, some clinicians choose to dilute initial feedings to half strength (10 Calories/fl oz if 20 Calories/fl oz formula is used).

20 Calories/fl oz Formulation

Dilution (Parts of Formula to Parts of Water)

	Calories/mL	Calories/fl oz	PRSL ¹⁹ (mOsm/100 mL)	Protein (g/100 mL)	Osmolality (mOsm/kg of water)	Osmolarity mOsm/L
1:1	0.34	10	9.2	1	114	110
Full Strength	0.68	20	18.4	2	240	220

PRSL (mOsm/100 mL) = (mmole nitrogen/2 + mmole Na + mmole K + mmole Cl + mmole P)/100 mL.

Nursette® Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

CAUTION

Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr.* 2002;132(suppl):139S-157S.
2. Health Canada. *Guidelines for the composition and clinical testing of formulas for preterm infants: Report of an ad hoc expert consultation to the Health Protection Branch.* Ottawa, Canada: Minister of Supplies and Services, 1995.
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16. Sugawara M, Sato N, Nakano T, et al. Profile of nucleotides and nucleosides of human milk. *J Nutr Sci Vitaminol (Tokyo).* 1995;41:409-418.
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18. Data on file, Mead Johnson Nutritionals, March 1998.
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Enfamil® Premature 24 Cal

Milk-based Infant Formulas for
Premature or Low-Birth-Weight Infants

INDICATION

Enfamil Premature is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk.

When more than 12 fl oz (355 mL) of 24 Calories/fl oz product is used per day, which may occur in larger infants weighing over 2500 g (5.5 lbs) consuming only Enfamil Premature, intake of some nutrients (eg, fat soluble vitamins) may be excessive. In such circumstances, it should be used only at the direction and under the supervision of a doctor. Enfamil® EnfaCare® may be a product to consider in such circumstances.

PRODUCT FEATURES

- 3 g of protein/100 Calories—appropriate level for growth and development¹⁻⁴
- 3.5 g of protein/100 Calories available in Enfamil Premature High Protein
- Levels of calcium, phosphorus and vitamin D within the ranges recommended by experts for bone mineralization and growth¹⁻³
- Has our blend of DHA and ARA, nutrients also found in breast milk to help promote brain and eye development⁵⁻¹²
- Includes 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{13,14}
- Nucleotide patterned after average free nucleotide level in breast milk¹⁵⁻¹⁸

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Cal	Per 100 mL	High Protein	
	Per 100 Cal	Per 100 mL	Per 100 Cal	Per 100 mL
Protein, g	3	2.4	3.5	2.8
Fat, g	5.1	4.1	5.1	4.1
Linoleic acid, mg	810	660	810	660
Carbohydrate, g	11	8.9	10.5	8.5
Water, g	108	88	108	88
Vitamins/Other Nutrients				
Vitamin A, IU	1250	1010	1250	1010
Vitamin D, IU	240	195	240	195
Vitamin E, IU	6.3	5.1	6.3	5.1
Vitamin K, mcg	8	6.5	9	7.3
Thiamin (Vitamin B ₁), mcg	200	162	200	162
Riboflavin (Vitamin B ₂), mcg	300	240	300	240
Vitamin B ₆ , mcg	150	122	150	122
Vitamin B ₁₂ , mcg	0.25	0.2	0.25	0.2
Niacin, mcg	4000	3200	4000	3200
Folic acid (Folacin), mcg	40	32	40	32
Pantothenic acid, mcg	1200	970	1200	970
Biotin, mcg	4	3.2	4	3.2
Vitamin C (Ascorbic acid), mg	20	16.2	20	16.2
Choline, mg	20	16.2	20	16.2
Inositol, mg	44	36	44	36
Minerals				
Calcium, mg	165	134	165	134
Phosphorus, mg	83	67	83	67
Magnesium, mg	9	7.3	9	7.3
Iron, mg [‡]	1.8 (0.5) [§]	1.46 (0.41) [§]	1.8	1.46
Zinc, mg	1.5	1.22	1.5	1.22
Manganese, mcg	6.3	5.1	6.3	5.1
Copper, mcg	120	97	120	97
Iodine, mcg	25	20	25	20
Sodium, mg	58	47	58	47
Potassium, mg	98	80	98	80
Chloride, mg	90	73	90	73

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

[‡] Iron (when using Low Iron) should also be considered for the premature infant.

[§] Numbers in parentheses are Low Iron levels.

NUTRIENT FACTS

Nutrient Density	24 Calories/fl oz	High Protein 24 Calories/fl oz
Protein (% calories)	12	14
Fat (% calories)	44	44
Carbohydrate (% calories)	44	42
Potential Renal Solute Load (mOsm/100 Calories) ¹⁹	27	30
Potential Renal Solute Load (mOsm/100 mL) ¹⁹	22	24
Osmolality (mOsm/kg water)	300	300
Osmolarity (mOsm/L)	260	260
Lactose-Free	No	No
Galactose-Free	No	No

PRODUCT FORM

Enfamil® Premature is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Ready To Use: Water, nonfat milk, corn syrup solids, lactose, medium-chain triglycerides (MCT oil), whey protein concentrate, soy oil, high oleic vegetable oil (sunflower and/or safflower) and less than 0.5%: *Mortierella alpina* oil^{||}, *Crypthecodinium cohnii* oil[¶], soy lecithin, mono- and diglycerides, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium carbonate, calcium chloride, calcium hydroxide, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium citrate, sodium chloride, potassium citrate, taurine, L-carnitine, nucleotides (adenosine 5'-monophosphate, cytidine 5'-monophosphate, disodium guanosine 5'-monophosphate, disodium uridine 5'-monophosphate).

Ingredients: High Protein Ready To Use: Water, nonfat milk, corn syrup solids, whey protein concentrate, medium-chain triglycerides (MCT oil), soy oil, lactose, high oleic vegetable oil (sunflower and/or safflower) and less than 0.5%: *Mortierella alpina* oil^{||}, *Crypthecodinium cohnii* oil[¶], soy lecithin, mono- and diglycerides, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium carbonate, calcium chloride, calcium hydroxide, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium citrate, sodium chloride, potassium citrate, taurine, L-carnitine, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate).

|| A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Premature contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Discuss with parents whether they need to boil a clean nipple in water before use.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Enfamil Premature may be provided at full strength or diluted for initial feedings. If it is diluted, progression to full strength should be made rapidly, as tolerated. If Enfamil Premature formula is fed to very low-birth-weight infants or stressed low-birth-weight infants, some clinicians choose to dilute initial feedings to half strength (12 Calories/fl oz if 24 Calories/fl oz formula is used).

24 Calories/fl oz Formulation

Dilution (Parts of Formula to Parts of Water)

	Calories/mL	Calories/fl oz	PRSL ¹⁹ (mOsm/100 mL)	Protein (g/100 mL)	Osmolality (mOsm/kg of water)	Osmolarity (mOsm/L)
1:1	0.41	12	11 (12)	1.2 (1.4)	140	130
3:1	0.61	18	16.5 (18)	1.8 (2.1)	220	200
Full Strength	0.81	24	22 (24)	2.4 (2.8)	300	260

PRSL (mOsm/100 mL) = (mmole nitrogen/2 + mmole Na + mmole K + mmole Cl + mmole P)/100 mL. Values in parentheses are for the high-protein product.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

CAUTION

Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr.* 2002;132(suppl):139S-157S.
2. Health Canada. *Guidelines for the composition and clinical testing of formulas for preterm infants: Report of an ad hoc expert consultation to the Health Protection Branch.* Ottawa, Canada: Minister of Supplies and Services, 1995.
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11. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
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18. Data on file, Mead Johnson Nutritionals, March 1998.
19. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Premature 30 Cal

**Milk-based Infant Formula for
Premature or Low-Birth-Weight Infants**

INDICATION

Enfamil Premature 30 Cal is specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants.

Enfamil Premature 30 Cal is a versatile formula that can be customized for infants in the NICU. It can be mixed with Enfamil Premature 24 Cal to attain between 25 and 29 Cal/fl oz, or increase the protein content by mixing with Enfamil Premature High Protein.

It is ready to use at its full concentration, for a calorically dense 30 Cal formula. Enfamil Premature 30 Cal provides expert nutrition to help meet the needs of your smallest infants.

PRODUCT FEATURES

- 3 g of protein/100 Calories—appropriate level for growth and development¹⁻⁴
- Levels of calcium, phosphorus and vitamin D within the ranges recommended by experts for bone mineralization and growth¹⁻³
- Has our blend of DHA and ARA, nutrients also found in breast milk to help promote brain and eye development⁵⁻¹²
- Includes 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{13,14}
- Nucleotide patterned after average free nucleotide level in breast milk¹⁵⁻¹⁸

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Calories	Per 100 mL
Protein, g	3	3
Fat, g	5.1	5.2
Linoleic acid, mg	810	820
Carbohydrate, g	11	11.2
Water, g	84	85
Vitamins/Other Nutrients		
Vitamin A, IU	1250	1270
Vitamin D, IU	240	240
Vitamin E, IU	6.3	6.4
Vitamin K, mcg	9	9.1
Thiamin (Vitamin B ₁), mcg	200	200
Riboflavin (Vitamin B ₂), mcg	300	300
Vitamin B ₆ , mcg	150	152
Vitamin B ₁₂ , mcg	0.25	0.25
Niacin, mcg	4000	4100
Folic acid (Folacin), mcg	40	41
Pantothenic acid, mcg	1200	1220
Biotin, mcg	4	4.1
Vitamin C (Ascorbic acid), mg	20	20
Choline, mg	20	20
Inositol, mg	44	45
Minerals		
Calcium, mg	165	167
Phosphorus, mg	83	84
Magnesium, mg	9	9.1
Iron, mg	1.8	1.83
Zinc, mg	1.5	1.52
Manganese, mcg	6.3	6.4
Copper, mcg	120	122
Iodine, mcg	25	25
Sodium, mg	58	59
Potassium, mg	102	103
Chloride, mg	85	86

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz
Protein (% calories)	12
Fat (% calories)	45
Carbohydrate (% calories)	43
Potential Renal Solute Load (mOsm/100 Calories) ¹⁹	27
Potential Renal Solute Load (mOsm/100 mL) ¹⁹	27
Osmolality (mOsm/kg water)	320
Osmolarity (mOsm/L)	270
Lactose-Free	No
Galactose-Free	No

PRODUCT FORM

Enfamil® Premature 30 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Ready To Use: Water, nonfat milk, maltodextrin, medium-chain triglycerides (MCT oil), whey protein concentrate, soy oil, high oleic sunflower oil and less than 1%: *Mortierella alpina* oil†, *Cryptocodonim cohnii* oil§, calcium phosphate, calcium carbonate, calcium hydroxide, sodium citrate, potassium citrate, potassium chloride, magnesium phosphate, sodium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin D₃, soy lecithin, inositol, choline chloride, carrageenan, mono- and diglycerides, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

† A source of arachidonic acid (ARA).

§ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature 30 Cal contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Discuss with parents whether they need to boil a clean nipple in water before use.

Nursette Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.

3. **SHAKE BOTTLE WELL** and remove cap.

4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette® Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

CAUTION

Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr.* 2002;132(suppl):139S-157S.
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11. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
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Enfamil® EnfaCare®

Milk-based, 22 Cal Discharge
Formula for Babies Who were
Born Prematurely or with Low
Birth Weight

INDICATION

Enfamil EnfaCare is designed with extra amounts of important nutrients for infants who were born prematurely or with low birth weight. It is typically used during the first year of life for infants from approximately 1800 grams in weight.

PRODUCT FEATURES

- Supports catch up growth during the first year¹:
 - 22 Calories/fl oz
 - Higher levels of some nutrients than found in Enfamil® Infant to meet the needs of infants with conditions such as prematurity or low birth weight
 - 2.8 g protein/100 Calories, which is a higher protein level than Enfamil Infant formula
 - 54% more calcium than Enfamil Infant formula
 - 53% more phosphorus than Enfamil Infant formula
- Has our blend of DHA and ARA, nutrients also found in breast milk, that promotes brain and eye development²⁻⁹
- 20% of the fat blend from medium-chain triglycerides (MCT) oil
- Nucleotide patterned after the average free nucleotide level in human milk¹⁰⁻¹³

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS†

(Normal Dilution)	Per 100 Calories (4.5 fl oz)	Per 100 mL	Per 100 grams Powder (490 Cal)
Protein, g	2.8	2.1	13.8
Fat, g	5.3	3.9	26
Linoleic acid, mg	900 (2 & 8 fl oz) 950 (32 fl oz) 860 (Pwd)	670 (2 & 8 fl oz) 700 (32 fl oz) 640 (Pwd)	4200
Carbohydrate, g	10.4	7.7	51
Water, g	120 (Liq) 117 (Pwd)	89 (Pwd, 2 & 32 fl oz) 90 (8 fl oz)	2.6
Vitamins/Other Nutrients			
Vitamin A, IU	450	330	2200
Vitamin D, IU	70	52	350
Vitamin E, IU	4	3	20
Vitamin K, mcg	8	5.9 (Pwd, 2 & 32 fl oz) 6 (8 fl oz)	39
Thiamin (Vitamin B ₁), mcg	200	148 (Pwd, 2 & 32 fl oz) 149 (8 fl oz)	990
Riboflavin (Vitamin B ₂), mcg	200	148 (Pwd, 2 & 32 fl oz) 149 (8 fl oz)	990
Vitamin B ₆ , mcg	100 (Liq) 60 (Pwd)	74 (Liq) 44 (Pwd)	300
Vitamin B ₁₂ , mcg	0.3	0.22	1.48
Niacin, mcg	2000 (Liq) 1000 (Pwd)	1480 (2 & 32 fl oz) 1490 (8 fl oz) 740 (Pwd)	4900
Folic acid (Folacin), mcg	26	19.2 (Pwd, 2 & 32 fl oz) 19.3 (8 fl oz)	128
Pantothenic acid, mcg	850	630	4200
Biotin, mcg	6 (Liq) 5 (Pwd)	4.4 (2 & 32 fl oz) 4.5 (8 fl oz) 3.7 (Pwd)	25
Vitamin C (Ascorbic acid), mg	16	11.8 (Pwd, 2 & 32 fl oz) 11.9 (8 fl oz)	79
Choline, mg	24	17.8 (Pwd, 2 & 32 fl oz) 17.9 (8 fl oz)	118
Inositol, mg	30	22	148
Minerals			
Calcium, mg	120	89	590
Phosphorus, mg	66	49	330
Magnesium, mg	8	5.9 (Pwd, 2 & 32 fl oz) 6 (8 fl oz)	39
Iron, mg	1.8	1.33 (Pwd, 2 & 32 fl oz) 1.34 (8 fl oz)	8.9
Zinc, mg	1.25 (Liq) 1 (Pwd)	0.92 (2 & 32 fl oz) 0.93 (8 fl oz) 0.74 (Pwd)	4.9

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENTS[†] (Cont.)

(Normal Dilution)	Per 100 Calories (4.5 fl oz)	Per 100 mL	Per 100 grams Powder (490 Cal)
Manganese, mcg	15	11.1 (Pwd, 2 & 32 fl oz) 11.2 (8 fl oz)	74
Copper, mcg	120	89	590
Iodine, mcg	21	15.5 (Pwd, 2 & 32 fl oz) 15.6 (8 fl oz)	104
Selenium, mcg	2.8	2.1	13.8
Sodium, mg	35 (Liq) 37 (Pwd)	26 (Liq) 27 (Pwd)	182
Potassium, mg	105	78	520
Chloride, mg	78	58	380

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	22 Calories/fl oz
Protein (% calories)	11
Fat (% calories)	47
Carbohydrate (% calories)	42
Potential Renal Solute Load (mOsm/100 Calories) ¹⁴	25
Potential Renal Solute Load (mOsm/100 mL) ¹⁴	18.3 (Liq) 18.4 (Pwd)
Osmolality (mOsm/kg water)	250 (Liq) 310 (Pwd)
Osmolarity (mOsm/L)	220 (2 & 32 fl oz) 230 (8 fl oz) 280 (Pwd)
Lactose-Free	No
Galactose-Free	No

PRODUCT FORMS

Enfamil® EnfaCare® is available in powder, ready-to-use liquid and Nursette® bottles. For ordering information, please refer to page 258.

COMPOSITION

Ingredients: Powder: Nonfat milk, whey protein concentrate, corn syrup solids, lactose, high oleic vegetable oil (sunflower and/or safflower oil), soy oil, medium-chain triglycerides (MCT oil), coconut oil and less than 2%: *Mortierella alpina* oil[‡], *Crypthecodinium cohnii* oil[§], vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium chloride, potassium citrate, taurine, L-carnitine, nucleotides

[‡] A source of arachidonic acid (ARA).

[§] A source of docosahexaenoic acid (DHA).

(adenosine 5'-monophosphate, cytidine 5'-monophosphate, disodium guanosine 5'-monophosphate, disodium uridine 5'-monophosphate).

Ingredients: Ready To Use: Water, nonfat milk, maltodextrin, lactose, whey protein concentrate, high oleic vegetable oil (sunflower and/or safflower oil), soy oil, medium-chain triglycerides (MCT oil), coconut oil and less than 0.5%: *Mortierella alpina* oil[†], *Cryptocodonium cohnii* oil[§], mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, ascorbic acid, choline chloride, inositol, calcium chloride, calcium citrate, calcium hydroxide, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium citrate, potassium citrate, taurine, L-carnitine, nucleotides (adenosine 5'-monophosphate, cytidine 5'-monophosphate, disodium guanosine 5'-monophosphate, disodium uridine 5'-monophosphate).

[†] A source of arachidonic acid (ARA).

[§] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® EnfaCare® contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Although this powder is formulated for infants born prematurely, powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems, unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

POWDER

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ^{II}	Water	Powder	Weight
2 fl oz	2 fl oz	1 unpacked level scoop	9.8 g
4 fl oz	4 fl oz	2 unpacked level scoops	19.6 g
6 fl oz	6 fl oz	3 unpacked level scoops	29.4 g
8 fl oz	8 fl oz	4 unpacked level scoops	39.2 g
1 quart	28.5 fl oz	1 ¼ unpacked level household measuring cups	142 g

^{II} Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly. Either feed immediately or

cover and store in the refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep it tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on the bottom of the can.

CAUTION

Use product by date on container. Nutritional powders are not sterile.

READY TO USE

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. Clean can lid, **SHAKE CAN WELL** and open; or **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

Failure to follow these instructions could result in severe harm. Opened cans/bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened can/bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened cans/bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on top of can or on bottle.

Nursette® Bottles

1. Inspect each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

Nursette Bottle Storage

Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze. Use by date on carton and bottle label.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

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12. Thorell L, Sjöberg LB, Hernell O. Nucleotides in human milk: sources and metabolism by the newborn infant. *Pediatr Res.* 1996;40:845-852.
13. Data on file, Mead Johnson Nutritionals, March 1998.
14. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Human Milk Fortifier Acidified Liquid

Commercially Sterile, Milk-based Nutritional Supplement to be Added to Expressed Breast Milk for Premature or Low-Birth-Weight Infants

INDICATION

Enfamil Human Milk Fortifier Acidified Liquid is to be added to expressed breast milk for feeding premature or low-birth-weight infants. It provides enriched nutrition needed by these special babies while still allowing them to receive their mother's milk. Enfamil Human Milk Fortifier Acidified Liquid increases the levels of protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant.

PRODUCT FEATURES

- Well tolerated
- Commercially sterile, single-dose packaging meets AND and CDC feeding preparation guidelines
- 4 g of protein per 100 Cal when mixed with human milk*
- pH ~4.3 (product by itself): pH ~4.7 when mixed with human milk
- Helps premature infants achieve significantly higher achieved weight, length, head circumference and linear growth rate than Enfamil HMF Powder with the same volume intake¹
- Shown to significantly improve docosahexaenoic and arachidonic acid status in preterm infants compared to Enfamil Human Milk Fortifier Powder²
- No significant difference in NEC or sepsis in preterm infants <1250 g fed liquid HMF vs powder HMF¹
- Helps improve DHA status compared to our powder HMF²

DHA and ARA Fatty Acid Nutrients[†]

- DHA – 24 mg[‡]
- ARA – 38 mg[‡]

* When mixed as directed: EHMF + preterm human milk (1 vial + 25 mL)

† Per 100 Calories.

‡ EHMFAL + preterm human milk (1 vial + 25 mL) (per 100 Cal): DHA 24 mg, ARA 38 mg. Calculated using values for preterm human breast milk compiled from multiple published studies. Data on file.

NUTRIENTS[§]

(Normal Dilution)

	Per 4 Vials (30 Cal)	EHMFAL + Preterm Human Milk ^{II} 1 Vial + 25 mL (Per 100 Cal)
Protein, g	2.2	4
Fat, g	2.3	6
Linoleic acid, mg	230	730
Carbohydrate, g	<1.2	8.1
Water, g	15.1	107
Vitamins/Other Nutrients		
Vitamin A, IU	1160	1250
Vitamin D, IU	188	210
Vitamin E, IU	5.6	6.2
Vitamin K, mcg	5.7	7.9
Thiamin (Vitamin B ₁), mcg	184	200
Riboflavin (Vitamin B ₂), mcg	260	300
Vitamin B ₆ , mcg	140	151
Vitamin B ₁₂ , mcg	0.64	0.68
Niacin, mcg	3700	4000
Folic acid (Folacin), mcg	31	35
Pantothenic acid, mcg	920	1190
Biotin, mcg	3.4	4
Vitamin C (Ascorbic acid), mg	15.2	21
Choline, mg	NA	Not available
Minerals		
Calcium, mg	116	145
Phosphorus, mg	63	80
Magnesium, mg	1.84	5.3
Iron, mg	1.76	1.91
Zinc, mg	0.96	1.37
Manganese, mcg	10	10.7
Copper, mcg	60	101
Iodine, mcg	NA	18.4
Selenium, mcg	NA	2.5
Sodium, mg	27	57
Potassium, mg	45	98
Chloride, mg	28	89
	Per 1 Vial	Per 4 Vials
Osmolality (mOsm/kg water)	-	-
pH	~4.3	~4.3
		EHMFAL + Preterm Human Milk ^{II} 1 Vial + 25 mL
		326 [¶]
		~4.7

§ Product nutrient values and ingredients are subject to change. Please see product label for current information.

II Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL³.

¶ When added to human milk as recommended, EHMFAL increases osmolality by approximately 36 mOsm/kg water.

NA=None Added

NUTRIENT FACTS

Nutrient Density	Per 4 Vials (30 Cal)
Protein (% calories)	29
Fat (% calories)	65
Carbohydrate (% calories)	6
Potential Renal Solute Load (mOsm/100 Calories) ⁴	33 [#]
Potential Renal Solute Load (mOsm/4 vials) ⁴	17.7 per 4 vials** (Concentrate only)
Lactose-Free	No
Galactose-Free	No

When mixed at normal dilution, 1 vial to 25 mL preterm human milk.

** 31 mOsm/120 mL when 4 vials added to 100 mL preterm human milk.

PRODUCT FORM

Enfamil® Human Milk Fortifier Acidified Liquid is available in an ultra-concentrated liquid. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Liquid: Water, whey protein isolate hydrolysate (milk), medium-chain triglycerides (MCT oil), vegetable oil (soy and high oleic sunflower oils) and less than 2%: *Mortierella alpina* oil^{††}, *Cryptocodonium cohnii* oil^{††}, pectin, vitamin A palmitate, vitamin E acetate, vitamin D₃, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, calcium citrate, calcium phosphate, cupric sulfate, sodium citrate, potassium citrate, calcium chloride, citric acid, ferrous sulfate, magnesium phosphate, zinc sulfate.

†† A source of arachidonic acid (ARA).

‡‡ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Human Milk Fortifier Acidified Liquid contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm.

Follow hospital rules or the baby's doctor's instructions for the safe handling of human milk.

To aid mixing, agitate the human milk well. Pour the desired amount into a sterile container and warm to feeding temperature.

Add the fortifier to the human milk according to the following chart:

Additional Calories Desired	Human Milk	Enfamil Human Milk Fortifier Acidified Liquid
2 Calories/fl oz	50 mL	1 vial
4 Calories/fl oz	25 mL	1 vial

Each vial is designed to deliver 5 mL when opened and poured.

The baby's doctor will provide instructions for the desired amount of calories to add.

Remove vials from foil pouch and separate number of vials needed.

Store remaining vials in foil pouch at room temperature. Once pouch has been opened, vials must be used within 24 hours.

Shake vial vigorously to mix contents. Firmly hold vial UPRIGHT by bottom tab and slowly twist top off completely. Add fortifier to breast milk.

Some liquid may remain in cap and vial; disregard this liquid. Discard opened vial and cap promptly. Do not use product that has unusual characteristics.

Failure to follow these instructions could result in severe harm. Once prepared, fortified human milk can spoil quickly. Either feed fortified human milk immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Agitate before each use.

For tube feeding: Once fortified human milk is prepared, it can safely remain at room temperature for 4 hours.

For bottle feeding: Pour only the amount of fortified human milk to be fed into a feeding container and feed immediately. Do not use fortified human milk if it is unrefrigerated for more than a total of 2 hours. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.

Suggestions When Using This Product:

1. Consider monitoring acid/base status as part of routine care when feeding higher amounts of protein. Monitor and regularly assess blood levels such as serum calcium, sodium, urea nitrogen, albumin and others. In case of an elevated level, reduce the amount of Enfamil® Human Milk Fortifier Acidified Liquid used to supplement breast milk. In case of deficiency, additional supplementation with the deficient nutrient may be indicated.
2. Do not administer other nutrient supplements in addition to Enfamil Human Milk Fortifier Acidified Liquid unless appropriate tests indicate a need for further supplementation with a particular nutrient.
3. Do not add Enfamil Human Milk Fortifier Acidified Liquid to breast milk in a ratio greater than 1 vial/25 mL.
4. Preterm breast milk collected less than 2 weeks postpartum is particularly rich in nutrients, so fortification with Enfamil Human Milk Fortifier Acidified Liquid is generally not required.

If more than 20 vials daily are used, the infant should be monitored for evidence of excessive vitamins A and D intake.

Storage

Store unopened pouches in carton at room temperature. Avoid excessive heat. Do not freeze.

CAUTION

Nutritionally incomplete. To be used only under the supervision of a physician.

**Regarding use in extremely low-birth-weight infants (ELBW-1 kg or less):
Hypercalcemia has been reported in some of these infants on full enteral
feeds of mother's milk supplemented with human milk fortifiers.**

Expressed human milk is not sterile.

WARNING: Do not use a microwave oven to prepare or warm fortified
human milk. Serious burns may result.

Not for parenteral (I.V.) use. Fortifier is designed to be mixed with breast
milk; do not administer directly.

Use only as directed. Improper dilution, preparation, handling or storage
may be harmful.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

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Enfamil® Human Milk Fortifier Powder

Nutritional Supplement to be Added to Expressed Breast Milk for Premature or Low-Birth-Weight Infants

INDICATION

Enfamil Human Milk Fortifier Powder is to be added to expressed breast milk for feeding premature or low-birth-weight infants. It provides enriched nutrition needed by these special babies while still allowing them to receive their mother's milk. Enfamil Human Milk Fortifier Powder is milk-based and, when mixed with mother's milk, increases the levels of protein, energy, calcium, phosphorus and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant.

Enfamil Human Milk Fortifier Powder was specifically designed to be used as a supplement to be added to mother's milk collected after 2 weeks postpartum.

PRODUCT FEATURES

- Well tolerated
- 1.1 g protein/4 packets
- Added iron to reduce the need for additional iron supplementation
- Includes fat and essential fatty acids
- Low osmolality

NUTRIENTS*

(4 Packets)

Per 4–0.025 oz (0.71 g)
Packets (14 Cal)

Protein, g	1.1
Fat, g	1
Linoleic acid, mg	140
Carbohydrate, g	< 0.4
Water, g	0.09

Vitamins/Other Nutrients

Vitamin A, IU	950
Vitamin D, IU	150
Vitamin E, IU	4.6
Vitamin K, mcg	4.4
Thiamin (Vitamin B ₁), mcg	150
Riboflavin (Vitamin B ₂), mcg	220
Vitamin B ₆ , mcg	115
Vitamin B ₁₂ , mcg	0.18
Niacin, mcg	3000
Folic acid (Folacin), mcg	25
Pantothenic acid, mcg	730
Biotin, mcg	2.7
Vitamin C (Ascorbic acid), mg	12
Choline, mg	NA
Inositol, mg	NA

Minerals

Calcium, mg	90
Phosphorus, mg	50
Magnesium, mg	1
Iron, mg	1.44
Zinc, mg	0.72
Manganese, mcg	10
Copper, mcg	44
Iodine, mcg	NA
Selenium, mcg	NA
Sodium, mg	16
Potassium, mg	29
Chloride, mg	13

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

NA=None Added

NUTRIENT FACTS

Nutrient Density	Per 4 Packets (14 Cal)
Protein (% calories)	32
Fat (% calories)	62
Carbohydrate (% calories)	6
Potential Renal Solute Load (mOsm) [†]	70 per 100 Calories
Potential Renal Solute Load (mOsm) [†]	9.8 per 4 packets [†]
Osmolality (mOsm/kg water) [†]	+35
Osmolarity (mOsm/L) [†]	Not available
Lactose-Free	No
Galactose-Free	No

† 24 mOsm/102 mL when 4 packets added to 100 mL preterm human milk.

‡ When added to human milk as recommended, EHMF Powder increases osmolality by approximately 35 mOsm/kg water.

PRODUCT FORM

Enfamil® Human Milk Fortifier Powder is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Powder: Medium-chain triglycerides (MCT) oil, milk protein isolate, whey protein isolate hydrolysate, soybean oil, calcium phosphate, calcium glycerophosphate, calcium gluconate and less than 2%: corn syrup solids, soy lecithin, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, magnesium phosphate, potassium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, potassium chloride, potassium citrate.

POTENTIAL ALLERGENS

Enfamil Human Milk Fortifier Powder contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Although this powder is formulated for premature infants, nutritional powders are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by a doctor.

Follow hospital rules or the baby's doctor's instructions for the safe handling of human milk.

To aid mixing, agitate the human milk well. Pour the desired amount into a sterile container and warm to feeding temperature.

Add the powder to the human milk according to the following chart:

Additional Calories Desired	Human Milk	Enfamil® Human Milk Fortifier Powder
2 Calories/fl oz	50 mL	1 packet
4 Calories/fl oz	25 mL	1 packet

Failure to follow these instructions could result in severe harm. Once prepared, fortified human milk can spoil quickly. Either feed fortified human milk immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Agitate before each use.

For tube feeding: Once fortified human milk is prepared, it can safely remain at room temperature for 4 hours². The Academy of Nutrition and Dietetics recommends a hang time for fortified human milk of no longer than 4 hours at room temperature (25°C/77°F)³.

For bottle feeding: Pour only the amount of fortified human milk to be fed into a feeding container and feed immediately. Do not use fortified human milk if it is unrefrigerated for more than a total of 2 hours. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.

Suggestions When Using This Product:

1. Monitor and regularly assess blood levels such as serum calcium, sodium, urea nitrogen, albumin and others. In case of an elevated level, reduce the amount of Enfamil Human Milk Fortifier Powder used to supplement breast milk. In case of deficiency, additional supplementation with the deficient nutrient may be indicated.
2. Do not administer other nutrient supplements in addition to Enfamil Human Milk Fortifier Powder unless appropriate tests indicate a need for further supplementation with a particular nutrient.
3. Do not add Enfamil Human Milk Fortifier Powder to breast milk in a ratio greater than 1 packet/25 mL.
4. Preterm breast milk collected less than 2 weeks postpartum is particularly rich in nutrients, so fortification with Enfamil Human Milk Fortifier Powder is generally not required.

If more than 25 packets daily are used, the infant should be monitored for evidence of excessive vitamins A and D intake.

Powder Storage

Store Enfamil Human Milk Fortifier Powder at room temperature. Avoid freezing and excessive heat. Use by date on package.

CAUTION

Not nutritionally complete. To be used only under the supervision of a physician.

Regarding use in extremely low-birth-weight infants (ELBW-1 kg or less): Hypercalcemia has been reported in some of these infants on full enteral feeds of mothers' milk supplemented with human milk fortifiers.

Neither expressed human milk nor nutritional powders are sterile.

WARNING: Do not use a microwave oven to prepare or warm fortified human milk. Serious burns may result.

Use only as directed. Improper dilution, preparation, handling or storage may be harmful.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr.* 1999;134:11-14.
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Enfaport™

Complete Nutrition for Infants with
Chylothorax or LCHAD Deficiency

INDICATION

Enfaport is designed to meet the unique nutritional needs of infants with Chylothorax or LCHAD deficiency. Enfaport balances high levels of MCT oil for easier absorption, as well as DHA and ARA, important fatty acids for infant development.

This product is not intended for use by infants or children with galactosemia.

PRODUCT FEATURES

- 84% MCT oil, for easier fat absorption
- High protein level to meet special needs
- Has essential fatty acids
- Our blend of DHA and ARA, nutrients also found in breast milk, that promotes brain and eye development¹⁻⁸
- Commercially sterile ready-to-use liquid

DHA and ARA Fatty Acid Nutrients*

- DHA – 17 mg
- ARA – 34 mg

* Per 100 Calories.

NUTRIENTS[†]

(Normal Dilution)	Per 100 Cal (3.3 fl oz)	Per 100 mL
Protein, g	3.5	3.6
Fat, g	5.5	5.6
Linoleic acid, mg	350	360
Carbohydrate, g	10	10.2
Water, g	83	85
Vitamins/Other Nutrients		
Vitamin A, IU	350	360
Vitamin D, IU	50	51
Vitamin E, IU	4	4.1
Vitamin K, mcg	12	12.2
Thiamin (Vitamin B ₁), mcg	80	81
Riboflavin (Vitamin B ₂), mcg	90	92
Vitamin B ₆ , mcg	68	69
Vitamin B ₁₂ , mcg	0.3	0.31
Niacin, mcg	1000	1020
Folic acid (Folacin), mcg	16	16.3
Pantothenic acid, mcg	500	510
Biotin, mcg	3	3.1
Vitamin C (Ascorbic acid), mg	12	12.2
Choline, mg	24	24
Inositol, mg	17	17.3
Minerals		
Calcium, mg	94	96
Phosphorus, mg	52	53
Magnesium, mg	11	11.2
Iron, mg	1.8	1.83
Zinc, mg	1	1.02
Manganese, mcg	25	25
Copper, mcg	75	76
Iodine, mcg	15	15.3
Selenium, mcg	2.8	2.9
Sodium, mg	30	31
Potassium, mg	115	117
Chloride, mg	87	89

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Nutrient Density	30 Cal/fl oz
Protein (% calories)	14
Fat (% calories)	46
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 Calories)⁹	28
Potential Renal Solute Load (mOsm/100 mL)⁹	29
Osmolality (mOsm/kg water)	290
Osmolarity (mOsm/L)	250
Lactose-Free	Yes
Galactose-Free	No†

† Trace amounts of galactose may come in with the milk protein.

PRODUCT FORM

Enfaport™ is available in ready-to-use liquid. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Ready To Use: Water, corn syrup solids, medium-chain triglycerides (MCT oil), calcium caseinate (milk), sodium caseinate (milk), soy oil and less than 0.5%: *Mortierella alpina* oil§, *Cryptocodiumum cohnii* oil||, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium chloride, magnesium phosphate, potassium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, magnesium chloride, potassium chloride, sodium chloride, potassium citrate, sodium selenite, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfaport contains milk and soy.

PREPARATION OF FEEDINGS

The baby's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula.

Ready To Use

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. **SHAKE BOTTLE WELL** and remove cap and foil seal.
3. Pour into feeding bottle(s).

The child's doctor may recommend other mixing instructions to achieve various caloric densities.

When caloric densities lower than 30 cal/fl oz are needed, use the following:

Indicated Cal/fl oz	Water to Add to 6 fl oz (177 mL) Enfaport™	Formula Yield	Volume for 100 Calories
20	3 fl oz (89 mL)	9 fl oz (266 mL)	5 fl oz (148 mL)
22	2.2 fl oz (64 mL)	8.2 fl oz (241 mL)	4.5 fl oz (134 mL)
24	1.5 fl oz (44 mL)	7.5 fl oz (221 mL)	4.2 fl oz (123 mL)
26	0.9 fl oz (27 mL)	6.9 fl oz (204 mL)	3.8 fl oz (114 mL)
27	0.7 fl oz (20 mL)	6.7 fl oz (197 mL)	3.7 fl oz (110 mL)
28	0.4 fl oz (13 mL)	6.4 fl oz (190 mL)	3.6 fl oz (106 mL)

Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle and/or prepared bottle if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared bottle. After feeding begins, use within 1 hour or discard.

Ready To Use Storage

Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze. Use by date on carton and bottle label.

CAUTION

Use product by date on carton and bottle label.

WARNING: Do not use a microwave oven to prepare or warm formula. Serious burns may result.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Birch EE, Hoffman DR, Uauy RD, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
2. Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol.* 2000;42:174-181.
3. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
4. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
5. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month-old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) (abstract). *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
6. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
7. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
8. Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
9. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Products for Specific Medical Needs





Portagen®

Milk Protein-based Powder with Medium-chain Triglycerides (MCT) for Children and Adults

INDICATION

Portagen is a nutritional powder for children and adults with defects in the intraluminal hydrolysis of fat (decreased pancreatic lipase, decreased bile salts); defective mucosal fat absorption (decreased mucosal permeability, decreased absorptive surface); and/or defective lymphatic transport of fat (ie, intestinal lymphatic obstruction).

Portagen is not recommended for use as an infant formula.

Long-Term Usage

Portagen powder is not nutritionally complete. If used long term, supplementation of essential fatty acids and ultra-trace minerals should be considered.

PRODUCT FEATURES

- 87% of fat from medium-chain triglycerides
- Corn oil provides linoleic acid

NUTRIENTS*

(Normal Dilution)	Per 100 grams Powder	Prepared Beverage per quart (30 Calories/fl oz)	% RDI (per quart)
Calories	470	960	
Protein, g	16.5	34	68†
Fat, g	22	46	†
Linoleic acid, mg	1620	3300	†
Cholesterol, mg	4	8.1	†
Carbohydrate, g	54	110	†
Dietary Fiber, g	0	0	†
Water, g	3	820	†
Vitamins/Other Nutrients			
Vitamin A, IU	3700	7500	150
Vitamin D, IU	370	750	188
Vitamin E, IU	14.7	30	100
Vitamin K, mcg	74	150	188
Thiamin (Vitamin B ₁), mg	0.74	1.5	100
Riboflavin (Vitamin B ₂), mg	0.88	1.8	106
Vitamin B ₆ , mg	0.98	2	100
Vitamin B ₁₂ , mcg	2.9	6	100
Niacin, mg	9.8	20	100
Folic acid (Folacin), mcg	74	150	38
Pantothenic acid, mg	4.9	10	100
Biotin, mcg	37	75	25
Vitamin C (Ascorbic acid), mg	38	78	130
Choline, mg	61	125	†
Inositol, mg	22	45	†
Minerals			
Calcium, mg	440	900	90
Phosphorus, mg	330	680	68
Magnesium, mg	98	200	50
Iron, mg	8.8	18	100
Zinc, mg	4.4	9	60
Manganese, mg	0.59	1.2	60
Copper, mg	0.74	1.5	75
Iodine, mcg	34	70	47
Selenium, mcg	NA	NA	NA
Sodium, mg	260	530	†
Potassium, mg	590	1200	†
Chloride, mg	410	830	†

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Percent Daily Value (DV).

‡ Reference Daily Intake (RDI) not established.

NA=None Added

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz
Protein (% calories)	14
Fat (% calories)	40
Carbohydrate (% calories)	46
Potential Renal Solute Load (mOsm/L) ¹	300
Osmolality (mOsm/kg water)	350
Osmolarity (mOsm/L formula)	300
Total Calorie:Nitrogen Ratio	180:1
Nonprotein Calorie:Nitrogen Ratio	155:1
Water (g/L)	870
Lactose-Free	Yes ^s
Low Residue	Yes

§ Not suitable for persons with galactosemia.

PRODUCT FORM

Portagen® is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Corn syrup solids, medium-chain triglycerides (MCT) oil, sodium caseinate, sugar, corn oil and less than 2%: vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium citrate, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, potassium citrate, potassium chloride, taurine, L-carnitine, soy lecithin.

POTENTIAL ALLERGENS

Portagen contains milk protein.

PREPARATION OF FEEDINGS

Improper hygiene, preparation, dilution, use or storage may result in severe harm. This product is not recommended for use as an infant formula.

Nutritional powders are not sterile and should not be fed to premature infants or those persons who might have immune problems unless directed and supervised by a medical professional.

Powder

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle or cup. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the following chart for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in its original can.

To Make ¹¹	Water	Powder	Weight
4.5 fl oz	4 fl oz	3 packed level scoops	28.2 g
1 qt	27.5 fl oz	1½ packed level household measuring cups	203 g

II. Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either consume immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Shake well before each use. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, do not refrigerate the container; you must use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

Portagen® should be used only under the supervision of a physician. It is not nutritionally complete.

Persons should drink Portagen beverage slowly and start with one or two small servings per day until they become accustomed to the product, since abdominal discomfort and/or diarrhea may occur.

WARNING: Not for parenteral (I.V.) use.

Powdered products are not commercially sterile. Nutritional powders should not be used for immunocompromised patients unless clinically required and then under strict medical supervision of preparation and use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



3232 A

INDICATION

3232 A is a protein hydrolysate formula base that is to be used with added carbohydrate. It contains tapioca starch. It is for use in the dietary management of infants and children with disaccharidase deficiencies or other disorders of carbohydrate metabolism under the direct and continuing supervision of a doctor.

Long-Term Usage

3232 A is not nutritionally complete. If used long term, additional essential fatty acids should be considered.

To be used only under the supervision of a doctor.

PRODUCT FEATURES

- Allows adjustment of added carbohydrate according to patient's tolerance
- Hypoallergenic, protein hydrolysate
- 85% of the fat from medium-chain triglycerides (MCT) oil

NUTRIENTS*

	Per 100 Calories [†] (5 fl oz)	Per 100 grams [‡] Powder (500 Cal)
Protein, g	2.8	22
Fat, g [§]	4.2	33
Linoleic acid, mg	340	2700
Carbohydrate, g [§]	13.4	33
Water, g	127	3
Vitamins/Other Nutrients		
Vitamin A, IU	380	3000
Vitamin D, IU	75	590
Vitamin E, IU	3.8	30
Vitamin K, mcg	18.8	148
Thiamin (Vitamin B ₁), mcg	78	610
Riboflavin (Vitamin B ₂), mcg	94	740
Vitamin B ₆ , mcg	63	490
Vitamin B ₁₂ , mcg	0.31	2.5
Niacin, mcg	1250	9800
Folic acid (Folacin), mcg	15.6	123
Pantothenic acid, mcg	470	3700
Biotin, mcg	7.8	61
Vitamin C (Ascorbic acid), mg	11.7	92
Choline, mg	13.3	105
Inositol, mg	4.7	37
Minerals		
Calcium, mg	94	740
Phosphorus, mg	63	490
Magnesium, mg	10.9	86
Iron, mg	1.88	14.8
Zinc, mg	0.63	4.9
Manganese, mcg	31	250
Copper, mcg	94	740
Iodine, mcg	7	55
Selenium, mcg	NA	NA
Sodium, mg	43	340
Potassium, mg	109	860
Chloride, mg	86	680

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Using 81 grams of 3232 A and 59 grams of carbohydrate per quart of prepared product.

‡ Values do not include added carbohydrate.

§ Care must be taken to provide essential fatty acids and sufficient carbohydrates.

NA=None Added

NUTRIENT FACTS

Nutrient Density	Prepared with 59 grams added carbohydrate at 20 Calories/fl oz	Prepared with no carbohydrate at 12.7 Calories/fl oz
Protein (% calories)	11	18
Fat (% calories)	35	55
Carbohydrate (% calories)	54	27
Potential Renal Solute Load (mOsm/100 Calories) ^I	25	40
Potential Renal Solute (mOsm/100 mL) ^I	16.9	16.9
Lactose-Free ^{II}	Yes	Yes
Galactose-Free ^{II}	Yes	Yes

II Prepared product is lactose- and galactose-free as long as no lactose or galactose are added.

Osmolality

Carbohydrate	0 added carbohydrate	30 g added carbohydrate	59 g added carbohydrate
Corn Syrup Solids	250 mOsm/kg water	290 mOsm/kg water	360 mOsm/kg water
Sucrose	250 mOsm/kg water	350 mOsm/kg water	430 mOsm/kg water
Glucose	250 mOsm/kg water	430 mOsm/kg water	640 mOsm/kg water

Osmolarity

Carbohydrate	0 added carbohydrate	30 g added carbohydrate	59 g added carbohydrate
Corn Syrup Solids	230 mOsm/L	270 mOsm/L	330 mOsm/L
Sucrose	230 mOsm/L	330 mOsm/L	400 mOsm/L
Glucose	230 mOsm/L	400 mOsm/L	600 mOsm/L

PRODUCT FORM

3232 A is available in powder. For ordering information, please refer to page 260.

COMPOSITION

Ingredients: Powder: Modified tapioca starch (35%), medium-chain triglycerides (MCT) oil (28%), casein hydrolysate (from milk)^{II} (27%), corn oil (5%) and less than 2%: vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium citrate, calcium hydroxide, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium chloride, sodium iodide, potassium citrate, potassium phosphate, soy lecithin, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

^I Modified to be better tolerated in milk-allergic babies.

POTENTIAL ALLERGENS

3232 A contains milk. The ingredients in 3232 A are hypoallergenic. Rarely, however, allergic reactions to extensively hydrolyzed casein formulas have been reported.

PREPARATION OF FEEDINGS

The child's health depends on carefully following these instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Powdered formulas are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by a doctor.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Parents should consult their child's doctor for instructions for the correct amounts of water and powder. Pour desired amount of water into the bottle. Add powder, cap and shake vigorously.

Powder

1. Wash hands thoroughly with soap and water before preparing formula.
2. Add 81 g of powder (packed, level 1/2 cup) and 59 g of the desired carbohydrate to 4 fl oz (120 mL) of water in a clean bottle or container.
3. Mix well with fork or mixer until a smooth paste is formed.
4. Add additional water to make one quart. Initial feedings of 3232 A may need to contain less than the full 59 g of carbohydrate recommended or the formula may need to be diluted to 10 Calories/fl oz or less and gradually increased to 20 Calories/fl oz.

If incremental addition of carbohydrate is desired, consult Table 1.

Table 1

Incremental Addition of Carbohydrate (CHO) to 3232 A

Added CHO per 100 mL ^{**}	(g)	0	0.1	1.2	2.1	3.2	4.1	5.2	6.1	6.2
Total CHO per 100 mL ^{††}	(g)	2.8	3	4	5	6	7	8	9	9.1
CHO to add per Quart	(g)	0	1	11	20	30	39	49	58	59
Total CHO per Quart of Prepared Formula ^{††}	(g)	27	28	38	47	57	66	76	85	86
Calories/fl oz of Prepared Formula ^{††}		12.7	12.8	14	15.2	16.4	17.5	18.8	19.9	20

g of CHO per 100 mL = approximate % (weight/volume) CHO concentration.

** Values are for added CHO (does not include modified tapioca starch present in the diet powder).

†† Includes added CHO and modified tapioca starch (stabilizer) present in the diet powder.

†† Prepared formula includes 81 g diet powder, the added carbohydrate and water added to make one quart.

Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

Nutritional powders are not sterile.

3232 A is nutritionally incomplete. Care must be taken to provide enough carbohydrate to support growth. Use other foods with 3232 A as required. If used long term, supplementation of essential fatty acids should be considered. To be used only under the supervision of a doctor.

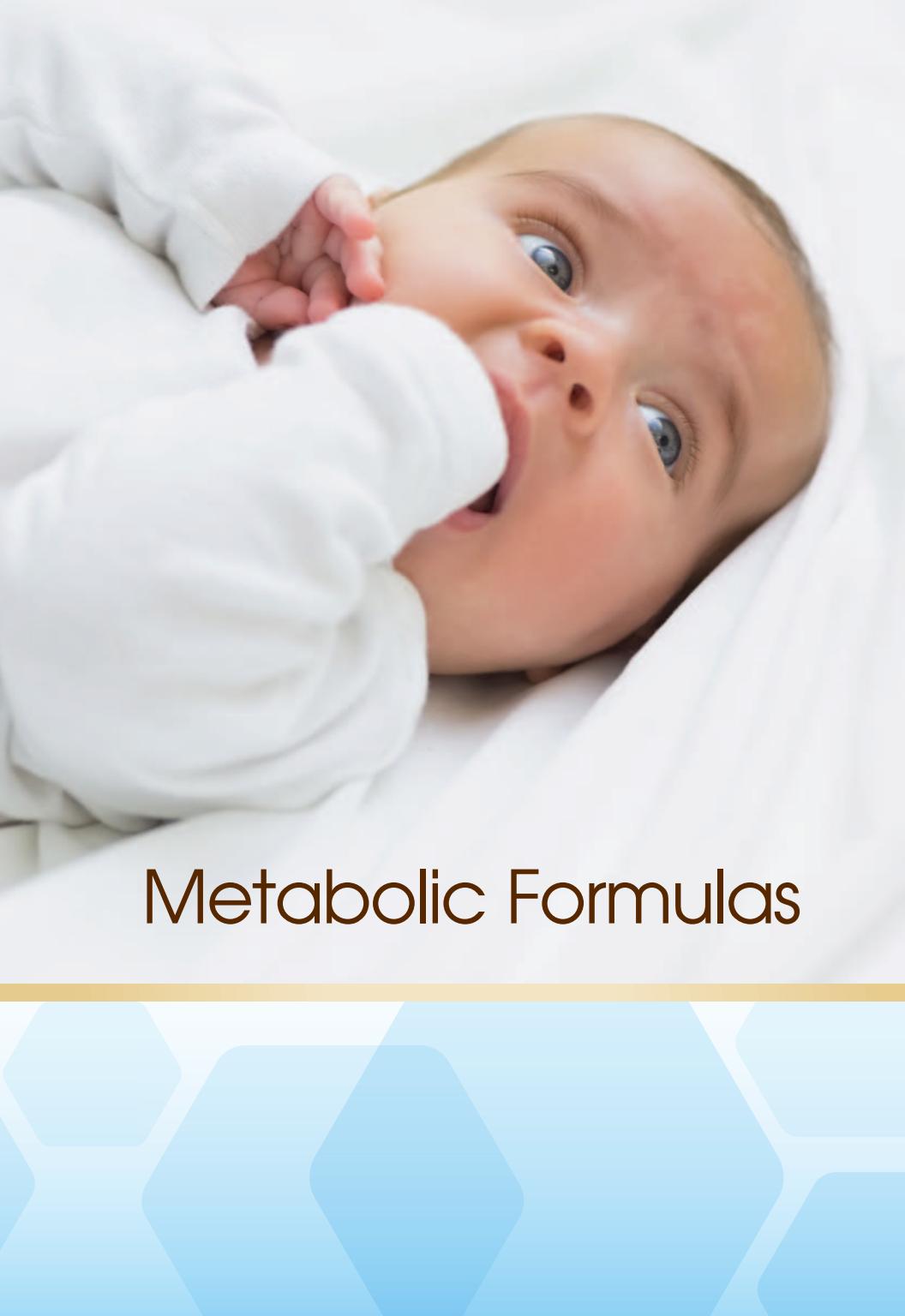
WARNING: Do not use a microwave oven to warm formula. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCE

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Metabolic Formulas



BCAD 1

INDICATION

BCAD 1 is an iron-fortified infant formula and medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine, for the dietary management of infants and toddlers with maple syrup urine disease (MSUD). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Isoleucine-, leucine-, valine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	16.2
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	600
Chloride, mg	500
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories) [†]	13
Fat (% calories)	47
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 g powder) [‡]	147
Osmolality (mOsm/kg water) [†]	330
Osmolarity (mOsm/L) [†]	300

[†] Protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.

[‡] Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

BCAD 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-glutamine, L-lysine hydrochloride, potassium aspartate, L-proline, L-alanine, L-arginine, L-phenylalanine, L-tyrosine, L-serine, L-threonine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil[¶], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

[§] A source of arachidonic acid (ARA).

[¶] A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following the instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician will advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap the bottle and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not

use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, leucine and valine to support growth, using other foods with these amino acids as required. Medical professional must carefully and constantly supervise the use of BCAD 1 with other foods and liquids, and adjust the diet based on frequent blood tests.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov 67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



BCAD 2

INDICATION

BCAD 2 is an iron-fortified medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine for the dietary management of children and adults with maple syrup urine disease (MSUD). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Isoleucine-, leucine-, valine-free
- 24 g protein equivalents/100 g powder
- Higher level of protein equivalents than found in BCAD 1
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults

NUTRIENTS*

	Per 100 grams Powder
Calories	410
Protein equivalent, g [†]	24
Fat, g	8.5
Linoleic acid, mg	4200
Linolenic acid, mg	520
Carbohydrate, g	57
Vitamins/Other Nutrients	
Vitamin A, IU	1730
Vitamin D, IU	350
Vitamin E, IU	11.4
Vitamin K, mcg	47
Thiamin (Vitamin B ₁), mcg	1420
Riboflavin (Vitamin B ₂), mcg	1140
Vitamin B ₆ , mcg	1140
Vitamin B ₁₂ , mcg	2.8
Niacin, mcg	26000
Folic acid (Folacin), mcg	410
Pantothenic acid, mcg	5700
Biotin, mcg	57
Vitamin C (Ascorbic acid), mg	57
Choline, mg	98
Inositol, mg	57
Taurine, mg	57
Carnitine, mg	49
Minerals	
Calcium, mg	730
Phosphorus, mg	730
Magnesium, mg	163
Iron, mg	12.2
Zinc, mg	12.2
Manganese, mcg	1300
Copper, mcg	1220
Iodine, mcg	63
Selenium, mcg	28
Sodium, mg	610
Potassium, mg	1220
Chloride, mg	1020
Molybdenum, mcg	37
Chromium, mcg	37

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.

NUTRIENT FACTS

Protein Equivalent (% calories) ^t	24
Fat (% calories)	19
Carbohydrate (% calories)	57
Lactose-Free	Yes
Galactose-Free	Yes

^t Protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.

PRODUCT FORM

BCAD 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-glutamine, L-lysine hydrochloride, potassium aspartate, L-proline, L-alanine, L-arginine, L-phenylalanine, L-tyrosine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), sugar, soy oil, modified corn starch, calcium phosphate and less than 1%: sodium citrate, magnesium phosphate, potassium chloride, sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, biotin, sodium selenite, vitamin K₁, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of BCAD 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

To be used only under the supervision of a doctor. This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough isoleucine, leucine and valine to support growth, using other foods with these amino acids as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



GA

INDICATION

GA is an iron-fortified infant formula and medical food powder that is free of the essential amino acids lysine and tryptophan for infants, children and adults with glutaric aciduria type 1. The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Lysine- and tryptophan-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	15.1
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	52
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnithine, mg	51
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	800
Chloride, mg	330
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids lysine and tryptophan.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories)*	12
Fat (% calories)	47
Carbohydrate (% calories)	41
Potential Renal Solute Load (mOsm/100 g powder) ³	140
Osmolality (mOsm/kg water) [†]	370
Osmolarity (mOsm/L) [†]	330
Lactose-Free	Yes
Galactose-Free	Yes

* Protein is incomplete since it does not contain the essential amino acids lysine and tryptophan.

† Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

GA is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-leucine, potassium aspartate, L-proline, L-valine, L-isoleucine, L-arginine, glycine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-methionine, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, ethyl vanillin, sodium citrate, potassium citrate, potassium chloride, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The consumer's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

If being fed to an infant, discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise consumers about the correct amounts

of water and powder. Pour the required amount of water into bottle/container. Add the correct amount of powder and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough lysine and tryptophan to support growth, using other foods with these amino acids as required. Medical professional must carefully and constantly supervise the use of GA with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



HCY 1

INDICATION

HCY 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acid methionine for infants and toddlers with homocystinuria. The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Methionine-free
- Added cystine
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	16.2
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
Chloride, mg	430
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid methionine.
NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories) [†]	13
Fat (% calories)	47
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 g powder) [‡]	144
Osmolality (mOsm/kg water) [†]	350
Osmolarity (mOsm/L) [†]	320
Lactose-Free	Yes
Galactose-Free	Yes

† Protein is incomplete since it does not contain the essential amino acid methionine.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

HCY 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-cystine, glycine, L-histidine, L-tryptophan), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite), choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following the instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough methionine as required to support growth, using other foods with methionine as required. Medical professional must carefully and constantly supervise the use of HCY 1 with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



HCY 2

INDICATION

HCY 2 is a medical food powder that is free of the essential amino acid methionine for children and adults with homocystinuria. The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Methionine-free
- Cystine level is similar to the sum of cystine and methionine found in cow's milk
- 22 g protein equivalents/100 g powder
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults

NUTRIENTS*

	Per 100 grams Powder
Calories	410
Protein equivalent, g [†]	22
Fat, g	8.5
Linoleic acid, mg	4200
Linolenic acid, mg	520
Carbohydrate, g	61
Vitamins/Other Nutrients	
Vitamin A, IU	1730
Vitamin D, IU	350
Vitamin E, IU	12.2
Vitamin K, mcg	47
Thiamin (Vitamin B ₁), mcg	1430
Riboflavin (Vitamin B ₂), mcg	1140
Vitamin B ₆ , mcg	1140
Vitamin B ₁₂ , mcg	2.9
Niacin, mcg	26000
Folic acid (Folacin), mcg	410
Pantothenic acid, mcg	5700
Biotin, mcg	57
Vitamin C (Ascorbic acid), mg	57
Choline, mg	98
Inositol, mg	57
Taurine, mg	57
Carnitine, mg	49
Minerals	
Calcium, mg	730
Phosphorus, mg	730
Magnesium, mg	163
Iron, mg	13.8
Zinc, mg	13.8
Manganese, mcg	1500
Copper, mcg	1430
Iodine, mcg	63
Selenium, mcg	33
Sodium, mg	590
Potassium, mg	1100
Chloride, mg	960
Molybdenum, mcg	45
Chromium, mcg	45

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid methionine.

NUTRIENT FACTS

Protein Equivalent (% calories) ^t	22
Fat (% calories)	19
Carbohydrate (% calories)	59
Lactose-Free	Yes
Galactose-Free	Yes

^t Protein is incomplete since it does not contain the essential amino acid methionine.

PRODUCT FORM

HCY 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-glutamine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-cystine, glycine, L-histidine, L-tryptophan), sugar, soy oil, modified corn starch, calcium phosphate, sodium citrate, magnesium phosphate, potassium chloride and less than 1%: sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium selenite, sodium iodide, biotin, vitamin K₁, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of HCY 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough methionine to support growth, using other foods with this amino acid as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



LMD

INDICATION

LMD is an iron-fortified infant formula and medical food powder that is free of the essential amino acid leucine for infants, children and adults with leucine metabolism disorders, including isovaleric acidemia. The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Leucine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	16.2
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	580
Chloride, mg	480
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid leucine.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories) [†]	13
Fat (% calories)	47
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 g powder) [‡]	145
Osmolality (mOsm/kg water) [†]	370
Osmolarity (mOsm/L) [†]	330
Lactose-Free	Yes
Galactose-Free	Yes

† Protein is incomplete since it does not contain the essential amino acid leucine.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

LMD is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-valine, L-isoleucine, L-histidine, L-methionine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The consumer's health depends on carefully following these instructions.

Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

If being fed to an infant, discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician will advise consumers about the correct amounts

of water and powder. Pour the required amount of water into bottle/container. Add the correct amount of powder and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and

store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough leucine to support growth, using other foods with leucine as required. Medical professional must carefully and constantly supervise the use of LMD with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



OA 1

INDICATION

OA 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for infants and toddlers with propionic or methylmalonic acidemia (organic acidemias). The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Isoleucine-, methionine-, threonine- and valine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	15.7
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
Chloride, mg	480
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories) [†]	12
Fat (% calories)	47
Carbohydrate (% calories)	41
Potential Renal Solute Load (mOsm/100 g powder) [‡]	142
Osmolality (mOsm/kg water) [†]	370
Osmolarity (mOsm/L) [†]	330
Lactose-Free	Yes
Galactose-Free	Yes

† Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

OA 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%:
Mortierella alpina oil[§], *Cryptocodiumum cohnii* oil^{||}, ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following the instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Powdered foods are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, methionine, threonine and valine to support growth, using other foods with these amino acids as required. Medical professional must carefully and constantly supervise the use of OA 1 with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov 67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



OA 2

INDICATION

OA 2 is a medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for children and adults with propionic or methylmalonic acidemia (organic acidemia). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Isoleucine-, methionine-, threonine- and valine-free
- Provides adequate protein, linoleic and linolenic acid, and vitamins and minerals not available from low-protein foods while supplying fewer calories than OA 1
- The protein source is a mixture of L-amino acids optimized for blandness, free of isoleucine, methionine, threonine and valine
- 21 g protein equivalent*/100 g powder
- Fat comprises approximately 20% of total Calories (9 g/100 g powder)
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well

* Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

NUTRIENTS[†]

	Per 100 grams Powder
Calories	410
Protein equivalent, g*	21
Fat, g	9
Linoleic acid, mg	4400
Linolenic acid, mg	550
Carbohydrate, g	59
Vitamins/Other Nutrients	
Vitamin A, IU	1430
Vitamin D, IU	290
Vitamin E, IU	10.3
Vitamin K, mcg	41
Thiamin (Vitamin B ₁), mcg	1200
Riboflavin (Vitamin B ₂), mcg	980
Vitamin B ₆ , mcg	980
Vitamin B ₁₂ , mcg	2.4
Niacin, mcg	22000
Folic acid (Folacin), mcg	350
Pantothenic acid, mcg	4800
Biotin, mcg	49
Vitamin C (Ascorbic acid), mg	49
Choline, mg	102
Inositol, mg	49
Taurine, mg	49
Carnitine, mg	49
Minerals	
Calcium, mg	760
Phosphorus, mg	760
Magnesium, mg	177
Iron, mg	12.3
Zinc, mg	12.3
Manganese, mcg	1350
Copper, mcg	1220
Iodine, mcg	66
Selenium, mcg	27
Sodium, mg	610
Potassium, mg	1160
Chloride, mg	1060
Molybdenum, mcg	37
Chromium, mcg	37

* Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

† Product nutrient values and ingredients are subject to change. Please see product label for current information.

NUTRIENT FACTS

Protein Equivalent (% calories)*	21
Fat (% calories)	20
Carbohydrate (% calories)	59
Potential Renal Solute Load (mOsm/100 g powder)	230
Lactose-Free	Yes
Galactose-Free	Yes

* Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

PRODUCT FORM

OA 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, sugar, amino acids (L-alanine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-tryptophan, L-cystine), soy oil, modified corn starch, calcium phosphate, sodium citrate, magnesium phosphate, potassium chloride and less than 1%: sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

PREPARATION OF FEEDINGS

The patient's health depends on carefully following these directions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Powder medical foods are not sterile and should not be fed to those persons who might have immune problems, unless directed and supervised by a medical professional.

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of OA 2. **Mix well until blended. Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly.** Either consume immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Mix well before each use. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

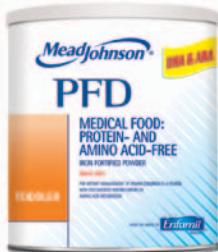
CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough isoleucine, methionine, threonine and valine to support growth, using other foods with these amino acids as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



PFD Toddler

INDICATION

PFD Toddler is a protein- and amino acid-free product* designed with carbohydrates, vitamins and minerals as well as the essential fatty acids for young children with various amino acid metabolic disorders. This product is for persons requiring a protein-free diet. PFD Toddler can be used as a dietary supplement supplying calories, vitamins and minerals, or specific amounts of amino acids or protein can be added to make a complete beverage. Use under direct and continuing supervision of a doctor.

*This product does contain taurine, a non-protein-building amino acid.

PRODUCT FEATURES

- DHA and ARA
- Protein- and amino acid-free
- Increased levels of B vitamins for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS[†]

	Per 100 grams Powder
Calories	530
Protein equivalent, g [‡]	0
Fat, g	32
Linoleic acid, mg	4900
DHA, mg	95
ARA, mg	190
Carbohydrate, g	60
Vitamins/Other Nutrients	
Vitamin A, IU	1840
Vitamin D, IU	450
Vitamin E, IU	13.2
Vitamin K, mcg	53
Thiamin (Vitamin B ₁), mcg	1320
Riboflavin (Vitamin B ₂), mcg	1210
Vitamin B ₆ , mcg	1210
Vitamin B ₁₂ , mcg	2.6
Niacin, mcg	12100
Folic acid (Folacin), mcg	132
Pantothenic acid, mcg	4600
Biotin, mcg	47
Vitamin C (Ascorbic acid), mg	74
Choline, mg	135
Inositol, mg	109
Taurine, mg	37
Carnitine, mg	63
Minerals	
Calcium, mg	790
Phosphorus, mg	530
Magnesium, mg	79
Iron, mg	10.5
Zinc, mg	10.5
Manganese, mcg	470
Copper, mcg	1050
Iodine, mcg	90
Selenium, mcg	15.8
Sodium, mg	280
Potassium, mg	690
Chloride, mg	530
Molybdenum, mcg	NA
Chromium, mcg	NA

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

[‡] This product is nutritionally incomplete since it does not contain any protein or amino acids.

NA=None Added

NUTRIENT FACTS

Protein (% calories) [†]	0
Fat (% calories)	54
Carbohydrate (% calories)	46
Potential Renal Solute Load (mOsm/100 g powder) [‡]	62
Osmolality (mOsm/kg water) [§]	171
Osmolarity (mOsm/L) [§]	154
Lactose-Free	Yes
Galactose-Free	Yes

† This product is nutritionally incomplete since it does not contain any protein or amino acids.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

PFD Toddler is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil^{||}, *Cryptocodium cohnii* oil[¶], ethyl vanillin, sodium citrate, potassium chloride, potassium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

|| A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

Metabolic clinician will provide the correct amount of powder to mix with water for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of PFD Toddler. **Mix well until blended.**

Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Powder Storage (cans)

Store unopened cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

PFD Toddler is nutritionally incomplete. Care must be taken to provide enough protein to support growth, using other foods with protein as required. The physician must carefully and constantly supervise the use of PFD Toddler with other foods and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

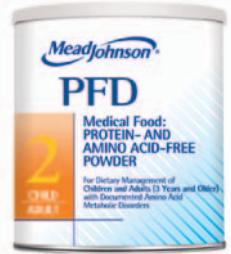
Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



PFD 2

INDICATION

PFD 2 is a protein- and amino acid-free product* designed to help meet the calorie, vitamin, mineral and essential fatty acid needs of children and adults with amino acid metabolic disorders. PFD 2 can be mixed with condition-specific amino acids or protein to make a nutritionally complete beverage, or it can be used as a calorie, vitamin and mineral supplement when amino acid and protein requirements are met but needs for calories, vitamins and minerals are not. Use under direct and continuing supervision of a doctor.

*This product does contain taurine, a non-protein-building amino acid.

PRODUCT FEATURES

- Protein- and amino acid-free
- Lactose-free
- Provides essential fatty acids
- Convenient to use for preparing individualized protein-restricted diets
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well

NUTRIENTS[†]

	Per 100 grams Powder
Calories	400
Protein equivalent, g [‡]	0
Fat, g	4.8
Linoleic acid, mg	2300
Linolenic acid, mg	280
Carbohydrate, g	88
Vitamins/Other Nutrients	
Vitamin A, IU	790
Vitamin D, IU	154
Vitamin E, IU	5.1
Vitamin K, mcg	22
Thiamin (Vitamin B ₁), mcg	630
Riboflavin (Vitamin B ₂), mcg	510
Vitamin B ₆ , mcg	510
Vitamin B ₁₂ , mcg	1.19
Niacin, mcg	11500
Folic acid (Folacin), mcg	178
Pantothenic acid, mcg	2600
Biotin, mcg	26
Vitamin C (Ascorbic acid), mg	26
Choline, mg	51
Inositol, mg	26
Taurine, mg	26
Carnitine, mg	26
Minerals	
Calcium, mg	400
Phosphorus, mg	400
Magnesium, mg	91
Iron, mg	6.3
Zinc, mg	6.3
Manganese, mcg	690
Copper, mcg	630
Iodine, mcg	35
Selenium, mcg	14.2
Sodium, mg	360
Potassium, mg	340
Chloride, mg	320
Molybdenum, mcg	20
Chromium, mcg	20

[†] Product nutrient values and ingredients are subject to change. Please see product label for current information.

[‡] This product is nutritionally incomplete since it does not contain any protein or amino acids.

NUTRIENT FACTS

Protein (% calories)†	0
Fat (% calories)	11
Carbohydrate (% calories)	89
Lactose-Free	Yes
Galactose-Free	Yes

† This product is nutritionally incomplete since it does not contain any protein or amino acids.

PRODUCT FORM

PFD 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, sugar, soy oil, modified corn starch, calcium phosphate and less than 1%: sodium citrate, magnesium phosphate, potassium chloride, sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, calcium pantothenate, maltodextrin, cupric sulfate, manganese sulfate, vitamin A palmitate, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, vitamin B₁₂, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of PFD 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.9 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough protein to support growth, using other foods with protein as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



Phenyl-Free® 1

INDICATION

Phenyl-Free 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acid phenylalanine for infants and toddlers with phenylketonuria (PKU). This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Phenylalanine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirement per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	16.2
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnithine, mg	51
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
Chloride, mg	430
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid phenylalanine.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories)*	13
Fat (% calories)	47
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 g powder) ³	144
Osmolality (mOsm/kg water) [†]	350
Osmolarity (mOsm/L) [†]	320
Lactose-Free	Yes
Galactose-Free	Yes

* Protein is incomplete since it does not contain the essential amino acid phenylalanine.

† Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

Phenyl-Free® 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-tyrosine, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil[¶], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing products. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap the bottle and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine to support growth, using other foods with phenylalanine as required. The medical professional must carefully and constantly supervise the use of Phenyl-Free® 1 with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov 67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Phenyl-Free® 2

INDICATION

Phenyl-Free 2 is a medical food powder that is free of the essential amino acid phenylalanine for children and adults with phenylketonuria (PKU). It provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Phenyl-Free 2 has less fat and fewer total calories than Phenyl-Free® 1. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine-free
- 22 g protein equivalents/100 g powder
- Higher level of protein equivalents than found in Phenyl-Free 1
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well

NUTRIENTS*

	Per 100 grams Powder
Calories	410
Protein equivalent, g [†]	22
Fat, g	8.6
Linoleic acid, mg	4200
Linolenic acid, mg	520
Carbohydrate, g	60
Vitamins/Other Nutrients	
Vitamin A, IU	1430
Vitamin D, IU	290
Vitamin E, IU	9.8
Vitamin K, mcg	41
Thiamin (Vitamin B ₁), mcg	1220
Riboflavin (Vitamin B ₂), mcg	980
Vitamin B ₆ , mcg	980
Vitamin B ₁₂ , mcg	2.4
Niacin, mcg	22000
Folic acid (Folacin), mcg	350
Pantothenic acid, mcg	4900
Biotin, mcg	49
Vitamin C (Ascorbic acid), mg	49
Choline, mg	98
Inositol, mg	49
Taurine, mg	49
Carnitine, mg	49
Minerals	
Calcium, mg	730
Phosphorus, mg	730
Magnesium, mg	163
Iron, mg	12.2
Zinc, mg	12.2
Manganese, mcg	1310
Copper, mcg	1220
Iodine, mcg	63
Selenium, mcg	29
Sodium, mg	610
Potassium, mg	1100
Chloride, mg	860
Molybdenum, mcg	37
Chromium, mcg	37

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid phenylalanine.

NUTRIENT FACTS

Protein Equivalent (% calories) ^t	22
Fat (% calories)	19
Carbohydrate (% calories)	59
Lactose-Free	Yes
Galactose-Free	Yes

^t Protein is incomplete since it does not contain the essential amino acid phenylalanine.

PRODUCT FORM

Phenyl-Free® 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Sugar, amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-tyrosine, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), corn syrup solids, soy oil, modified corn starch, calcium phosphate, sodium citrate, magnesium phosphate, potassium chloride and less than 1%: sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of Phenyl-Free 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.4 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough phenylalanine to support growth, using other foods with this amino acid as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



Phenyl-Free® 2 HP

INDICATION

Phenyl-Free 2 HP is a high protein medical food powder that is free of the essential amino acid phenylalanine for children and adults with phenylketonuria (PKU). It provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Phenyl-Free 2 HP is appropriate for women with maternal PKU or for children and adults who require fewer calories than provided by Phenyl-Free® 2. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine-free
- 40 g protein equivalents/100 g powder
- Higher level of protein equivalents than found in Phenyl-Free 2
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Higher levels of most vitamins and minerals than found in Phenyl-Free 2

(Note: Due to the higher levels of amino acids in Phenyl-Free 2 HP, the taste of amino acids is more prevalent in this product than it is in Phenyl-Free 2.)

NUTRIENTS*

	Per 100 grams Powder
Calories	390
Protein equivalent, g [†]	40
Fat, g	6.3
Linoleic acid, mg	3000
Linolenic acid, mg	380
Carbohydrate, g	44
Vitamins/Other Nutrients	
Vitamin A, IU	2000
Vitamin D, IU	390
Vitamin E, IU	11.8
Vitamin K, mcg	51
Thiamin (Vitamin B ₁), mcg	1570
Riboflavin (Vitamin B ₂), mcg	1290
Vitamin B ₆ , mcg	1290
Vitamin B ₁₂ , mcg	3.1
Niacin, mcg	29000
Folic acid (Folacin), mcg	470
Pantothenic acid, mcg	6300
Biotin, mcg	63
Vitamin C (Ascorbic acid), mg	63
Choline, mg	67
Inositol, mg	63
Taurine, mg	63
Carnitine, mg	36
Minerals	
Calcium, mg	980
Phosphorus, mg	980
Magnesium, mg	290
Iron, mg	15.7
Zinc, mg	15.7
Manganese, mcg	1570
Copper, mcg	1570
Iodine, mcg	50
Selenium, mcg	36
Sodium, mg	410
Potassium, mg	1180
Chloride, mg	980
Molybdenum, mcg	51
Chromium, mcg	51

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acid phenylalanine.

NUTRIENT FACTS

Protein Equivalent (% calories) ^t	41
Fat (% calories)	15
Carbohydrate (% calories)	44
Lactose-Free	Yes
Galactose-Free	Yes

^t Protein is incomplete since it does not contain the essential amino acid phenylalanine.

PRODUCT FORM

Phenyl-Free® 2 HP is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-tyrosine, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), sugar, corn syrup solids, soy oil, modified corn starch, calcium phosphate, magnesium phosphate and less than 1%: sodium citrate, potassium chloride, sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, zinc sulfate, niacinamide, L-carnitine, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium selenite, biotin, vitamin K₁, sodium iodide, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of Phenyl-Free 2 HP. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 15.1 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough phenylalanine to support growth, using other foods with this amino acid as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



TYROS 1

INDICATION

TYROS 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acids phenylalanine and tyrosine for infants and toddlers with documented tyrosinemia. This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Phenylalanine- and tyrosine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	16.7
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	610
Chloride, mg	430
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids tyrosine and phenylalanine.

NA=None Added

NUTRIENT FACTS

Protein Equivalent (% calories)†	13
Fat (% calories)	47
Carbohydrate (% calories)	40
Potential Renal Solute Load (mOsm/100 g powder) ³	148
Osmolality (mOsm/kg water) [†]	360
Osmolarity (mOsm/L) [†]	320
Lactose-Free	Yes
Galactose-Free	Yes

† Protein is incomplete since it does not contain the essential amino acids tyrosine and phenylalanine.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

TYROS 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-proline, L-valine, L-alanine, L-isoleucine, L-arginine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil[¶], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following the instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap the bottle and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine and tyrosine to support growth, using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise the use of TYROS 1 with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCES

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



TYROS 2

INDICATION

TYROS 2 is an iron-fortified medical food powder that is free of the essential amino acids phenylalanine and tyrosine for children and adults with tyrosinemia. This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine- and tyrosine-free
- 22 g protein equivalents/100 g powder
- Higher level of protein equivalents than found in TYROS 1
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults

NUTRIENTS*

	Per 100 grams Powder
Calories	410
Protein equivalent, g [†]	22
Fat, g	8.5
Linoleic acid, mg	4200
Linolenic acid, mg	520
Carbohydrate, g	60
Vitamins/Other Nutrients	
Vitamin A, IU	1420
Vitamin D, IU	280
Vitamin E, IU	9.8
Vitamin K, mcg	41
Thiamin (Vitamin B ₁), mcg	1220
Riboflavin (Vitamin B ₂), mcg	980
Vitamin B ₆ , mcg	980
Vitamin B ₁₂ , mcg	2.4
Niacin, mcg	22000
Folic acid (Folacin), mcg	350
Pantothenic acid, mcg	4900
Biotin, mcg	49
Vitamin C (Ascorbic acid), mg	49
Choline, mg	98
Inositol, mg	49
Taurine, mg	49
Carnitine, mg	49
Minerals	
Calcium, mg	730
Phosphorus, mg	730
Magnesium, mg	163
Iron, mg	12.2
Zinc, mg	12.2
Manganese, mcg	1300
Copper, mcg	1220
Iodine, mcg	63
Selenium, mcg	28
Sodium, mg	610
Potassium, mg	1100
Chloride, mg	850
Molybdenum, mcg	37
Chromium, mcg	37

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein is incomplete since it does not contain the essential amino acids phenylalanine and tyrosine.

NUTRIENT FACTS

Protein Equivalent (% calories) ^t	22
Fat (% calories)	19
Carbohydrate (% calories)	59
Lactose-Free	Yes
Galactose-Free	Yes

^t Protein is incomplete since it does not contain the essential amino acids phenylalanine and tyrosine.

PRODUCT FORM

TYROS 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-glutamine, L-leucine, potassium aspartate, L-lysine hydrochloride, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-serine, glycine, L-histidine, L-methionine, L-tryptophan, L-cystine), sugar, soy oil, modified corn starch, calcium phosphate, sodium citrate, magnesium phosphate, potassium chloride and less than 1%: sodium phosphate, potassium citrate, choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, vitamin A palmitate, calcium pantothenate, cupric sulfate, manganese sulfate, vitamin B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of TYROS 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough phenylalanine and tyrosine to support growth, using other foods with these amino acids as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics



WND® 1

INDICATION

WND 1 is an iron-fortified infant formula and medical food powder that is free of nonessential amino acids for infants and toddlers with inborn errors of the urea cycle (waste nitrogen disorders). The product provides the essential amino acids as well as carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Nonessential amino acid-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Choline, an essential nutrient important for brain development and the normal functioning of cells¹⁻²

NUTRIENTS*

	Per 100 grams Powder
Calories	500
Protein equivalent, g [†]	6.5
Fat, g	26
Linoleic acid, mg	4000
DHA, mg	88
ARA, mg	175
Carbohydrate, g	60
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B ₁), mcg	1000
Riboflavin (Vitamin B ₂), mcg	1000
Vitamin B ₆ , mcg	1000
Vitamin B ₁₂ , mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Taurine, mg	30
Carnitine, mg	50
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
Chloride, mg	420
Molybdenum, mcg	NA
Chromium, mcg	NA

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Protein level is inadequate to meet normal infant growth and development needs using WND® 1 alone.

NA=None Added

NUTRIENTS FACTS

Protein Equivalent (% calories)†	5
Fat (% calories)	47
Carbohydrate (% calories)	48
Potential Renal Solute Load (mOsm/100 g powder)‡	88
Osmolality (mOsm/kg water)‡	280
Osmolarity (mOsm/L)‡	250
Lactose-Free	Yes
Galactose-Free	Yes

† Protein level is inadequate to meet normal infant growth and development needs using WND® 1 alone.

‡ Determined at 20 Cal/fl oz dilution.

PRODUCT FORM

WND 1 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), modified corn starch, sugar, amino acids (L-leucine, L-lysine hydrochloride, L-isoleucine, L-valine, L-threonine, L-tyrosine, L-phenylalanine, L-histidine, L-tryptophan, L-methionine, L-cystine), calcium phosphate and less than 1%: *Mortierella alpina* oil§, *Cryptocodium cohnii* oil¶, ethyl vanillin, potassium citrate, sodium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

PREPARATION OF FEEDINGS

The child's health depends on carefully following these instructions. Proper hygiene, preparation, dilution, use and storage are important when preparing product. Powdered products are not sterile and should not be fed to premature infants or those persons who might have immune problems, unless directed and supervised by a medical professional.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

Metabolic clinician should advise parents about the correct amounts of water and powder. Pour the required amount of water into the bottle. Add the correct amount of powder, cap the bottle and shake vigorously.

If instructed to use the scoop in the can, each scoop (unpacked and leveled) delivers **approximately 4.5 g** of powder. Store **DRY** scoop in can.

Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, use within 1 hour or discard.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Care must be taken to provide enough calories and protein to support growth, using other foods as required. Medical professional must carefully and constantly supervise the use of WND® 1 with other foods and liquids and adjust the diet based on frequent blood tests.

Use by date on bottom of can.

Nutritional powders are not sterile.

WARNING: Do not use a microwave oven to warm product. Serious burns may result.

Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

REFERENCE

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. *Nutr Rev*. 2009 Nov;67(11):615-23.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



WND® 2

INDICATION

WND 2 is an iron-fortified medical food powder that is free of nonessential amino acids for children and adults with inborn errors of the urea cycle (waste nitrogen disorders). The product provides the essential amino acids as well as carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Provides essential amino acids; does not contain nonessential amino acids
- 8.2 g protein equivalents/100 g powder
- Lactose-free
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults

NUTRIENTS*

	Per 100 grams Powder
Calories	410
Protein equivalent, g [†]	8.2
Fat, g	10.2
Linoleic acid, mg	5100
Linolenic acid, mg	630
Carbohydrate, g	71
Vitamins/Other Nutrients	
Vitamin A, IU	1730
Vitamin D, IU	340
Vitamin E, IU	12.2
Vitamin K, mcg	48
Thiamin (Vitamin B ₁), mcg	1430
Riboflavin (Vitamin B ₂), mcg	1140
Vitamin B ₆ , mcg	1140
Vitamin B ₁₂ , mcg	2.9
Niacin, mcg	26000
Folic acid (Folacin), mcg	410
Pantothenic acid, mcg	5700
Biotin, mcg	57
Vitamin C (Ascorbic acid), mg	57
Choline, mg	114
Inositol, mg	57
Taurine, mg	57
Carnitine, mg	57
Minerals	
Calcium, mg	860
Phosphorus, mg	860
Magnesium, mg	200
Iron, mg	14.3
Zinc, mg	14.3
Manganese, mcg	1590
Copper, mcg	1430
Iodine, mcg	74
Selenium, mcg	33
Sodium, mg	710
Potassium, mg	1260
Chloride, mg	980
Molybdenum, mcg	45
Chromium, mcg	45

* Product nutrient values and ingredients are subject to change. Please see product label for current information.

† Not a source of nonessential amino acids.

NUTRIENT FACTS

Protein Equivalent (% calories) [†]	8
Fat (% calories)	23
Carbohydrate (% calories)	69
Lactose-Free	Yes
Galactose-Free	Yes

[†] Not a source of nonessential amino acids.

PRODUCT FORM

WND® 2 is available in powder. For ordering information, please refer to page 262.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-leucine, L-lysine hydrochloride, L-isoleucine, L-valine, L-threonine, L-tyrosine, L-phenylalanine, L-histidine, L-tryptophan, L-methionine, L-cystine), sugar, soy oil, modified corn starch, calcium phosphate, potassium citrate, sodium citrate, magnesium phosphate, potassium chloride, sodium phosphate and less than 1%: choline chloride, ascorbic acid, taurine, inositol, ferrous sulfate, L-carnitine, zinc sulfate, niacinamide, vitamin E acetate, calcium pantothenate, maltodextrin, cupric sulfate, manganese sulfate, vitamin A palmitate, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, vitamin B₁₂, ethyl vanillin.

PREPARATION OF FEEDINGS

Metabolic clinician should consult with patients about the correct amounts of water and powder for consumption.

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of WND 2. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

If instructed to use the scoop in the can, an unpacked level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

Powder Storage (cans)

Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder, and avoid excessive heat. Use by date on bottom of can.

CAUTION

To be used only under the supervision of a doctor.

This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. Care must be taken to provide enough proteins to support growth, using other foods as required.

Nutritional powders are not sterile.

WARNING: Not for parenteral (I.V.) use.

Product information can also be found at MeadJohnson.com/pediatrics

Additional Product Information



Product Ordering Guide

When using this information, please note the following:

Coding systems and reimbursement allowable rates vary by payer:

- Medicare Part B uses HCPCS (Healthcare Common Procedure Coding System) to group products.

Item #	Product	Description	Unit Size
INFANT FORMULAS			
020102	Enfamil A.R. [™]	Powder	12.9 oz can
020136	Enfamil A.R.	Powder	21.5 oz tub
020135	Enfamil A.R.	Powder, Refill	32.2 oz box
145301	Enfamil A.R.	RTU	2 fl oz bottle
153401	Enfamil A.R.	RTU	8 fl oz bottle
020333	Enfamil A.R.	RTU	32 fl oz can
001904	Enfamil® EnfaCare®	Powder	12.8 oz can
139001	Enfamil EnfaCare	RTU	2 fl oz bottle
149501	Enfamil EnfaCare	RTU	8 fl oz bottle
128701	Enfamil EnfaCare	RTU	32 fl oz can
869353	Enfamil® Gentlelease®	Powder	12.4 oz can
8693C2	Enfamil Gentlelease	Powder	21.5 oz tub
8693C1	Enfamil Gentlelease	Powder, Refill	32.2 oz box
146401	Enfamil Gentlelease	RTU	2 fl oz bottle
153801	Enfamil Gentlelease	RTU	8 fl oz bottle
129501	Enfamil Gentlelease	RTU	6 fl oz bottle
146501	Enfamil Gentlelease	RTU	32 fl oz can
869369	Enfamil Gentlelease	Single-Serve Powder Packets	17.4 g stick packs (14 per carton)
166801	Enfamil® 24	RTU, 24 Cal	2 fl oz bottle
139401	Enfamil® Premature Low Iron	RTU, 20 Cal	2 fl oz bottle
139101	Enfamil Premature Low Iron	RTU, 24 Cal	2 fl oz bottle
139201	Enfamil® Premature Iron Fortified	RTU, 20 Cal	2 fl oz bottle
139301	Enfamil Premature Iron Fortified	RTU, 24 Cal	2 fl oz bottle
137601	Enfamil Premature Iron Fortified	RTU, 30 Cal	2 fl oz bottle
148101	Enfamil® Premature High Protein	RTU, 24 Cal	2 fl oz bottle
165701	Enfamil® Newborn	RTU, 20 Cal	2 fl oz bottle
146608	Enfamil Newborn	Powder	12.5 oz can
146625	Enfamil Newborn	Powder	22.2 oz tub
146624	Enfamil Newborn	Powder, Refill	33.2 oz box
138501	Enfamil® Infant	Concentrate	8 fl oz bottle
136701	Enfamil Infant	Concentrate	13 fl oz can
136502	Enfamil Infant	Powder	12.5 oz can
136573	Enfamil Infant	Powder	22.2 oz tub
136572	Enfamil Infant	Powder, Refill	33.2 oz box
136601	Enfamil Infant	RTU	2 fl oz bottle
145803	Enfamil Infant	RTU	6 fl oz bottle
138401	Enfamil Infant	RTU	8 fl oz bottle
145902	Enfamil Infant	RTU	32 fl oz can
136527	Enfamil Infant	Single-Serve Powder Packets	17.6 g stick packs (16 per carton)

*HCPCS codes application is pending.

- Medicaid systems vary by state; some use HCPCS while others use reimbursement code format or systems of their own. Contact your state provider for more information.
- Private health insurance and managed care companies may use HCPCS, reimbursement code or their own system. Contact your provider for more information.

Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	Product Reimbursement Code 00087
1820	91	6 cans per case	B4158	020142
3040	152	4 tubs per case	B4158	020165
4540	227	4 boxes per case	B4158	510096
40	2	48 bottles per case	B4158	145341
160	8	24 bottles per case	B4158	510300
640	32	6 cans per case	B4158	020373
1800	82	6 cans per case	B4160	001944
44	2	48 bottles per case	B4160	139041
176	8	24 bottles per case	B4160	510298
704	32	6 cans per case	B4160	128741
1800	90	6 cans per case	B4158	510069
3100	155	4 tubs per case	B4158	869376
4640	232	4 boxes per case	B4158	869377
40	2	48 bottles per case	B4158	146441
160	8	24 bottles per case	B4158	510341
120	6	24 bottles per case	B4158	510523
640	32	6 cans per case	B4158	146541
1240	62	4 cartons per case	B4158*	510267
48	2	48 bottles per case	B4160*	510823
40	2	48 bottles per case	B4160	139441
48	2	48 bottles per case	B4160	139141
40	2	48 bottles per case	B4160	139241
48	2	48 bottles per case	B4160	139341
60	2	48 bottles per case	B4160	510072
48	2	48 bottles per case	B4160	148141
40	2	48 bottles per case	B4158	165741
1800	90	6 cans per case	B4158	510050
3220	161	4 tubs per case	B4158	146645
4820	241	4 boxes per case	B4158	510042
320	16	24 bottles per case	B4158	510245
520	26	12 cans per case	B4158	136741
1800	90	6 cans per case	B4158	136542
3180	159	6 tubs per case	B4158	136560
4740	237	4 boxes per carton	B4158	136561
40	2	48 bottles per case	B4158	136641
120	6	24 bottles per case	B4158	510521
160	8	24 bottles per case	B4158	510242
640	32	6 cans per case	B4158	145942
1420	71	6 cartons per case	B4158	136567

To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.

Item #	Product	Description	Unit Size
INFANT FORMULAS (CONT.)			
149901	Enfamil® ProSobee®	Concentrate	8 fl oz bottle
119501	Enfamil ProSobee	Concentrate	13 fl oz can
121401	Enfamil ProSobee	Powder	12.9 oz can
121460	Enfamil ProSobee	Powder	22 oz can
144901	Enfamil ProSobee	RTU	2 fl oz bottle
026107	Enfamil ProSobee	RTU	6 fl oz bottle
149801	Enfamil ProSobee	RTU	8 fl oz bottle
030934	Enfamil ProSobee	RTU	32 fl oz can
166901	Enfamil® Reguline™	RTU	8 fl oz bottle
167002	Enfamil Reguline	Powder	12.4 oz can
167004	Enfamil Reguline	Powder	20.4 oz tub
155901	Enfamil® for Supplementing	RTU	8 fl oz bottle
155201	Enfamil for Supplementing	Powder	21.5 oz tub
155301	Enfamil for Supplementing	RTU	2 fl oz bottle
148601	Nutramigen®	Concentrate	8 fl oz bottle
049811	Nutramigen	Concentrate	13 fl oz can
143701	Nutramigen	RTU	2 fl oz bottle
429704	Nutramigen	RTU	6 fl oz bottle
148501	Nutramigen	RTU	8 fl oz bottle
049911	Nutramigen	RTU	32 fl oz can
123901	Nutramigen® with Enflora™ LGG®†	Powder	12.6 oz can
123905	Nutramigen with Enflora LGG	Powder	19.8 oz can
154801	Nutramigen® with Enflora™ LGG®† Toddler	Powder	12.6 oz can
036721	Pregestimil®	Powder	1 lb can
143301	Pregestimil	RTU, 20 Cal	2 fl oz bottle
143401	Pregestimil	RTU, 24 Cal	2 fl oz bottle
129023	PurAmino™	Powder	14.1 oz can (400 g)

TODDLER / CHILDREN'S NUTRITIONALS

154601	Enfagrow® Toddler Transitions™	Powder	21 oz can
154603	Enfagrow Toddler Transitions	Powder, Refill	30 oz box
154901	Enfagrow Toddler Transitions	RTU	32 fl oz can
146107	Enfagrow® Toddler Transitions™ Gentlease®	Powder	21 oz can
140914	Enfagrow® Toddler Transitions™ Soy	Powder	21 oz can
146712	Enfagrow® Toddler Next Step™ Natural Milk Flavor	Powder	24 oz can
153901	Enfagrow® Next Step® Ready-to-Drink Natural Milk Flavor	RTU	8.25 fl oz Prisma (4 per pack)
869217	Enfagrow® Toddler Next Step™ Vanilla	Powder	24 oz can
154001	Enfagrow® Next Step® Ready-to-Drink Vanilla	RTU	8.25 fl oz Prisma (4 per pack)

PRODUCTS FOR SPECIFIC MEDICAL NEEDS

129601	Enfaport™	RTU, 30 Cal	6 fl oz bottle
038721	Portagen®	Powder	1 lb can
042521	3232 A	Powder	1 lb can

*HCPCS codes application is pending.
†LGG is a registered trademark of Valio Ltd.

Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	Product Reimbursement Code 00087
320	16	24 bottles per case	B4159	510253
520	26	12 cans per case	B4159	119541
1860	93	6 cans per case	B4159	121441
3180	159	4 cans per case	B4159	121442
40	2	48 bottles per case	B4159	144941
120	6	24 bottles per case	B4159	510529
160	8	24 bottles per case	B4159	510250
640	32	6 cans per case	B4159	030974
160	8	24 bottles per case	B4159*	511108
1800	90	6 cans per case	B4159*	511132
2940	147	4 tubs per case	B4159*	511157
160	8	24 bottles per case	B4158*	511102
3100	155	4 tubs per case	B4158*	510832
40	2	48 bottles per case	B4158*	511100
320	16	24 bottles per case	B4161	510249
520	26	12 cans per case	B4161	049801
40	2	48 bottles per case	B4161	143741
120	6	24 bottles per case	B4161	510517
160	8	24 bottles per case	B4161	510246
640	32	6 cans per case	B4161	049901
1740	87	6 cans per case	B4161	123941
2780	139	4 cans per case	B4161	123945
1720	86	6 cans per case	B4161	510734
2240	112	6 cans per case	B4161	036701
40	2	48 bottles per case	B4161	143341
48	2	48 bottles per case	B4161	143441
1960	98	4 cans per case	B4161	510478
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2960	148	4 cans per case	B4158	140151
4220	211	4 boxes per case	B4158	510211
640	32	6 cans per case	B4158	128841
2960	148	4 cans per case	B4158	146142
2820	141	4 cans per case	B4159	140944
2990	130	4 cans per case	B4158	148741
480	33	6 packs per case	B4158	510337
2990	130	4 cans per case	B4158	869247
480	33	6 packs per case	B4158	510339
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180	6	24 bottles per case	B4160*	510525
2100	70	6 cans per case	B4158	038701
2270	Varies	6 cans per case	B4161	042541

To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.

Item #	Product	Description	Unit Size
METABOLIC / DIET MODIFIERS			
892801	BCAD 1	Powder	1 lb can
891501	BCAD 2	Powder	1 lb can
92901	GA	Powder	1 lb can
893301	HCY 1	Powder	1 lb can
891901	HCY 2	Powder	1 lb can
893101	LMD	Powder	1 lb can
893201	OA 1	Powder	1 lb can
891701	OA 2	Powder	1 lb can
892701	PFD Toddler	Powder	1 lb can
891601	PFD 2	Powder	1 lb can
892601	Phenyl-Free® 1	Powder	1 lb can
891301	Phenyl-Free® 2	Powder	1 lb can
891401	Phenyl-Free® 2 HP	Powder	1 lb can
893001	TYROS 1	Powder	1 lb can
891801	TYROS 2	Powder	1 lb can
893401	WND® 1	Powder	1 lb can
892001	WND® 2	Powder	1 lb can
HUMAN MILK FORTIFIERS			
146301	Enfamil® Human Milk Fortifier Acidified Liquid	Liquid	5 mL vial
201418	Enfamil® Human Milk Fortifier Powder	Powder	0.71 g foil sachet
WATERS			
134601	Enfamil® 5% Glucose in Water	RTU	2 fl oz bottle
134501	Enfamil® Water for Oral Use	RTU	2 fl oz bottle
ORAL ELECTROLYTE SOLUTION			
026509	Enfamil® Enfalyte®	RTU	2 fl oz bottle
026510	Enfamil Enfalyte	RTU	6 fl oz bottle
ACCESSORIES			
Please refer to page 131.			
STARTER KITS			
Please refer to page 133.			
DIETARY SUPPLEMENTS			
3006E7	Enfamil® Expecta® Prenatal Dietary Supplement	Capsule	Combo pack
086604	Enfamil® D-Vi-Sol® Liquid Vitamin D Supplement	Syringe	50 mL
074026	Enfamil® Fer-In-Sol® Liquid Iron Supplement	Syringe	50 mL
040265	Enfamil® Poly-Vi-Sol® Liquid Multivitamin Supplement	Syringe	50 mL
040506	Enfamil® Poly-Vi-Sol® with Iron Liquid Multivitamin Supplement	Syringe	50 mL
040365	Enfamil® Tri-Vi-Sol® Liquid Vitamins Supplement	Syringe	50 mL

N/A=Not Available

Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	Product Reimbursement Code 00087
2270	Varies	6 cans per case	B4162	510184
1860	Varies	6 cans per case	B4162	510015
2270	Varies	6 cans per case	B4157 or B4162	510188
2270	Varies	6 cans per case	B4162	510202
1860	Varies	6 cans per case	B4157 or B4162	510027
2270	Varies	6 cans per case	B4157 or B4162	510196
2270	Varies	6 cans per case	B4162	510199
1860	Varies	6 cans per case	B4157 or B4162	510022
2410	Varies	6 cans per case	B4155	510178
1820	Varies	6 cans per case	B4155	510018
2270	Varies	6 cans per case	B4162	510172
1860	Varies	6 cans per case	B4157 or B4162	510003
1770	Varies	6 cans per case	B4157 or B4162	510010
2270	Varies	6 cans per case	B4162	510191
1860	Varies	6 cans per case	B4157 or B4162	510024
2270	Varies	6 cans per case	B4162	510205
1860	Varies	6 cans per case	B4157 or B4162	510029
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7.5	5 mL	200 vials per case	B4155	146341
3.5		200 units per case	B4155	201448
<hr/>				
10	2	48 bottles per case	N/A	134641
0	2	48 bottles per case	N/A	134541
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7.4	2	48 bottles per case	N/A	510094
22	6	24 bottles per case	N/A	510527
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N/A	N/A	12 combo packs	N/A	510585
N/A	N/A	12 bottles per case	N/A	086644
N/A	N/A	12 bottles per case	N/A	074002
N/A	N/A	12 bottles per case	N/A	040203
N/A	N/A	12 bottles per case	N/A	040501
N/A	N/A	12 bottles per case	N/A	040303

To place an order, contact your Mead Johnson representative,
or call Customer Service at 1-800-457-3550.

FORMULA DILUTION INSTRUCTIONS*

FROM POWDER†

* Note: Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then only under strict medical supervision of preparation and use.

† These dilutions can be used with the following Mead Johnson powder formulas:

ENFAMIL A.R.™

Per 1 Scoop

Calories desired per fl oz‡	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.2
22	0.74	1.8	2.0
24	0.81	1.6	1.9

Enfamil A.R. should not be diluted to caloric concentrations higher than 24 Calories/fluid ounce because of increased viscosity.

Enfamil A.R. formula should be measured with unpacked, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of powder provides 45 Calories.

One fl oz = 29.57 mL.

‡ Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

ENFAMIL® INFANT, ENFAMIL® PROSOBEE®, ENFAGROW® TODDLER TRANSITIONS™ GENTLEASE®, NUTRAMIGEN® WITH ENFLORA™ LGG®§ TODDLER

Per 1 Scoop

Calories desired per fl oz‡	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.2 (ETTG is 2.3)
22	0.74	1.8	2.0
24	0.81	1.6	1.9
26	0.88	1.5	1.7
27	0.91	1.4	1.7
28	0.95	1.4	1.6
30	1.01	1.3	1.5

Enfamil Infant, Enfamil ProSobee and Enfagrow Toddler Transitions Gentlelease should be measured with unpacked, level scoops. Nutramigen LGG Toddler should be measured with packed, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil Infant powder provides 44 Calories. One scoop of Enfamil ProSobee, Enfagrow Toddler Transitions Gentlelease and Nutramigen LGG Toddler provides 45 Calories.

One fl oz = 29.57 mL.

One-half fl oz of water = 1 tablespoon.

‡ Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

§ LGG is a registered trademark of Valio Ltd.

ETTG = Enfagrow Toddler Transitions Gentlelease

ENFAGROW® TODDLER TRANSITIONS™, ENFAGROW® TODDLER TRANSITIONS™ SOY

Per 1 Scoop

Calories desired per fl oz ^t	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.2 (ETT is 2.3)
22	0.74	1.8	2.0
24	0.81	1.6	1.8 (ETT is 1.9)
26	0.88	1.5	1.7
27	0.91	1.4	1.6 (ETT is 1.7)
28	0.95	1.3 (ETT is 1.4)	1.6
30	1.01	1.2 (ETT is 1.3)	1.5

Enfagrow Toddler Transitions and Enfagrow Toddler Transitions Soy should be measured with unpacked, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfagrow Toddler Transitions powder and Enfagrow Toddler Transitions Soy powder provides 45 Calories.

One fl oz = 29.57 mL.

One-half fl oz of water = 1 tablespoon.

^t Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

ETT = Enfagrow Toddler Transitions

NUTRAMIGEN® WITH ENFLORA™ LGG^{®\$}

Per 1 Scoop

Calories desired per fl oz ^t	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.3
22	0.74	1.8	2.0
24	0.81	1.6	1.9
26	0.88	1.5	1.7
27	0.91	1.4	1.7
28	0.95	1.4	1.6
30	1.01	1.3	1.5

Nutramigen LGG powder should be measured with packed, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of powder provides 45 Calories.

One fl oz = 29.57 mL.

One-half fl oz of water = 1 tablespoon.

^t Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

[§] LGG is a registered trademark of Valio Ltd.

PURAMINO™**Per 1 Scoop**

Calories desired per fl oz [†]	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	1.0	1.1
22	0.74	0.9	1.0
24	0.81	0.8	0.9
26	0.88	0.7	0.9
27	0.91	0.7	0.8
28	0.95	0.7	0.8
30	1.01	0.6	0.8

PurAmino powder should be measured with unpacked, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of powder provides 22 Calories.

One fl oz = 29.57 mL.

† Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

PREGESTIMIL®**Per 1 Scoop**

Calories desired per fl oz [†]	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.2
22	0.74	1.8	2.0
24	0.81	1.6	1.9
26	0.88	1.5	1.7
27	0.91	1.4	1.6
28	0.95	1.4	1.6
30	1.01	1.2	1.5

Pregestimil powder should be measured with packed, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of powder provides 45 Calories.

One fl oz = 29.57 mL.

One-half fl oz of water = 1 tablespoon.

† Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

ENFAMIL® NEWBORN, ENFAMIL® GENTLEASE®, ENFAMIL® FOR SUPPLEMENTING, ENFAMIL® REGULINE™
Per 1 Scoop

Calories desired per fl oz [†]	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.0	2.2
22	0.74	1.8	2.0
24	0.81	1.6	1.8
26	0.88	1.5	1.7
27	0.91	1.4	1.6
28	0.95	1.4	1.6
30	1.01	1.3	1.5

Enfamil Newborn, Enfamil Gentlease, Enfamil for Supplementing and Enfamil Reguline should be measured with unpacked, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil Newborn powder provides 45 Calories. One scoop of Enfamil Gentlease, Enfamil for Supplementing and Enfamil Reguline powder provides 44 Calories.

One fl oz = 29.57 mL.

One-half fl oz of water = 1 tablespoon.

† Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

ENFAMIL® ENFACARE®
Per 1 Scoop

Calories desired per fl oz [†]	per mL	Add 1 scoop powder to water (fl oz)	Formula yield, fl oz
20	0.68	2.1	2.4
22	0.74	1.9	2.2
24	0.81	1.7	2.0
26	0.88	1.6	1.8
27	0.91	1.5	1.8
28	0.95	1.5	1.7
30	1.01	1.3	1.6

Enfamil EnfaCare powder should be measured with unpacked, level scoops.

Powders mix best when added on top of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One unpacked, level scoop of Enfamil EnfaCare powder (9.8 g) provides 48 Calories.

One fl oz = 29.57 mL.

† Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz.

GRAM WEIGHTS FOR SCOOPS AND CUPS, CALORIES PER GRAM AND WATER DISPLACED BY 1 G POWDER

	Scoop (grams)	Measuring cup (grams)	Calories/ gram	Water (mL) displaced by 1 g powder
Enfamil® Newborn	8.7	111 ^{II}	5.1	0.76
Enfamil® for Supplementing	8.7	111 ^{II}	5.1	0.77
Enfamil® Infant	8.8	113 ^{II}	5.1	0.77
Enfamil® EnfaCare®	9.8	114 ^{II}	4.9	0.76
Enfamil A.R.™	9	97 ^{II}	5.0	0.76
Enfamil® Reguline™	8.7	112 ^{II}	5.1	0.76
Enfamil® Gentlelease®	8.7	111 ^{II}	5.1	0.77
Enfagrow® Toddler Transitions™	9	97 ^{II}	5.0	0.77
Enfagrow® Toddler Transitions™ Soy	9.4	101 ^{II}	4.7	0.74
Enfagrow® Toddler Transitions™ Gentlease®	9	108 ^{II}	5.0	0.76
Enfagrow® Toddler Next Step™ Natural Milk Flavor	9	108 ^{II}	4.4	0.74
Enfagrow® Toddler Next Step™ Vanilla	9	108 ^{II}	4.4	0.74
Portagen®	9.4 ^I	122 ^{II,1}	4.7	0.66
Pregestimil®	8.9 ^I	128 ^I	5.0	0.78
Enfamil® ProSobee®	8.8	101 ^{II}	5.1	0.77
3232 A	No Scoop	162 ^{II,1}	5.0 [#]	N/A
BCAD 1	4.5	114	5.0	0.77
BCAD 2	14.5	141	4.1	0.67
GA	4.5	N/A	5.0	0.77
HCY 1	4.5	N/A	5.0	0.76
HCY 2	14.5	N/A	4.1	0.68
LMD	4.5	115	5.0	0.76
OA 1	4.5	N/A	5.0	0.76
OA 2	14.5	N/A	4.1	0.68
PFD Toddler	4.5	108	5.3	0.78
PFD 2	14.9	136	4.0	0.65
Phenyl-Free® 1	4.5	N/A	5.0	0.76
Phenyl-Free® 2	14.4	140	4.1	0.67
Phenyl-Free® 2 HP	15.1	152	3.9	0.67
TYROS 1	4.5	N/A	5.0	0.77
TYROS 2	14.5	N/A	4.1	0.67
WND® 1	4.5	111	5.0	0.75
WND® 2	14.5	N/A	4.1	0.68
Nutramigen® with Enflora™ LGG®	9 ^I	97 ^{II,1}	5.0	0.76
Nutramigen® with Enflora™ LGG® Toddler	9.3 ^I	106 ^{II,1}	4.8	0.74
PurAmino™	4.5	115 ^{II}	5.0	0.76

II Values derived from grams/qt or other values.

I Packed level measure. All others are unpacked level measures.

Powder only (not prepared with added ingredients).

N/A=Not Available

FROM CONCENTRATE*

* These dilutions can be used with the following Mead Johnson concentrate formulas:

ENFAMIL® INFANT, NUTRAMIGEN® AND ENFAMIL® PROSOBEE®

13 fl oz Can

Calories desired per fl oz	Fl oz of water to add to 13 fl oz can of concentrated liquid	Formula yield, fl oz
20	13	26
22	10.5	23.5
24	8.5	21.5
26	7	20
27	6	19
28	5.5	18.5
30	4.5	17.5

One 13 oz can of concentrated liquid provides 520 Calories.

One fl oz of undiluted concentrated liquid provides 40 Calories.

One-half fl oz of water = 1 tablespoon.

ENFAMIL® INFANT, NUTRAMIGEN® AND ENFAMIL® PROSOBEE®

8 fl oz Bottle

Calories desired per fl oz	Fl oz of water to add to 8 fl oz bottle of concentrated liquid	Formula yield, fl oz
20	8	16
22	6.5	14.5
24	5.5	13.5
26	4.5	12.5
27	4	12
28	3.5	11.5
30	2.5	10.5

One 8 fl oz bottle of concentrated liquid provides 320 Calories.

One fl oz of undiluted concentrated liquid provides 40 Calories.

One-half fl oz of water = 1 tablespoon.

INFANT FORMULA NURSETTE® BOTTLE OR BREAST MILK PREPARATION

20–30 Calories per fl oz

These are general guidelines provided as a convenience. They are based on calculated results of mixing; not clinically tested. Household measures are approximations; measuring liquids in milliliters (mL), or weighing powder, provides the most accurate final dilution. See page 268 for product-specific household measure.

- The choices of caloric level and additions to infant formula or breast milk are clinical judgments best made by the dietitian or doctor most familiar with the baby's medical history and nutritional needs.
- When choosing an appropriate addition, consider the effect on nutrient composition and osmolality.
- Make changes gradually to decrease risk of intolerance.
- If adding Nutramigen® with Enflora™ LGG®, Enfamil® ProSobee®, Enfamil A.R.™ or Pregestimil®, use only gram measurements.**

Starting with 20 Calories/fl oz, 2 fl oz (Formula or breast milk)

Choose one additive:

Goal, Calories/fl oz	Powder* formula	Concentrated liquid formula
22	0.9 g (~½ tsp)	7 mL (~1½ tsp)
24	1.8 g (~¾ tsp)	15 mL (~1 Tbsp)
27	3.2 g (~1½ tsp)	32 mL (~2 Tbsp)

Starting with 22 Calories/fl oz, 2 fl oz Formula

Choose one additive:

Goal, Calories/fl oz	Water	Powder* formula	Concentrated liquid formula
20	6 mL (~1 tsp)	—	—
24	—	0.9 g (~½ tsp)	7 mL (~1½ tsp)
27	—	2.3 g (~1 tsp)	23 mL (~1 Tbsp + 1½ tsp)
30	—	3.8 g (~1½ tsp)	47 mL (~3 Tbsp)

Starting with 24 Calories/fl oz, 2 fl oz (Formula or fortified breast milk)

Choose one additive:

Goal, Calories/fl oz	Water	Powder* formula	Concentrated liquid formula
20	12 mL (~2½ tsp)	—	—
22	5.5 mL (~1 tsp)	—	—
27	—	1.4 g (~½ tsp)	14 mL (~1 Tbsp)
30	—	2.8 g (~1 tsp)	35 mL (~2 Tbsp + 1 tsp)

* Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then under strict medical supervision of preparation and use.

POWDER YIELD

Product	Size	Scoops	Yield Label Declaration*	Calories†
Enfamil® EnfaCare®	12.8 oz (363 g)	37	82 fl oz	1800
Enfamil A.R.™	12.9 oz (366 g)	40	91 fl oz	1820
	21.5 oz (610 g)	67	152 fl oz	3040
	32.2 oz (913 g)	101	227 fl oz	4540
Enfamil® Newborn	12.5 oz (354 g)	40	90 fl oz	1800
	22.2 oz (629 g)	72	161 fl oz	3220
	33.2 oz (941 g)	108	241 fl oz	4820
Enfamil® for Supplementing	21.5 oz (610 g)	70	155 fl oz	3100
Enfamil® Reguline™	12.4 oz (352 g)	40	90 fl oz	1800
	20.4 oz (578 g)	66	147 fl oz	2940
Enfamil® Infant	12.5 oz (354 g)	40	90 fl oz	1800
	22.2 oz (629 g)	71	159 fl oz	3180
	33.2 oz (941 g)	106	237 fl oz	4740
Enfamil® Gentlelease®	12.4 oz (352 g)	40	90 fl oz	1800
	21.5 oz (610 g)	70	155 fl oz	3100
	32.2 oz (913 g)	104	232 fl oz	4640
Enfamil® ProSobee®	12.9 oz (366 g)	41	93 fl oz	1860
	22 oz (624 g)	70	159 fl oz	3180
Enfagrow® Toddler Transitions™	21 oz (595 g)	66	148 fl oz	2960
	30 oz (850 g)	94	211 fl oz	4220
Enfagrow® Toddler Transitions™ Soy	21 oz (595 g)	63	141 fl oz	2820
Enfagrow® Toddler Transitions™ Gentlelease®	21 oz (595 g)	66	148 fl oz	2960
Enfagrow® Toddler Next Step™ Natural Milk Flavor	24 oz (680 g)	75	130 fl oz	2990
Enfagrow® Toddler Next Step™ Vanilla	24 oz (680 g)	75	130 fl oz	2990
Pregestimil®	16 oz (454 g)	51	112 fl oz	2240
Nutramigen® with Enflora™ LGG®	12.6 oz (357 g)	39	87 fl oz	1740
	19.8 oz (561 g)	62	139 fl oz	2780
Nutramigen® with Enflora™ LGG® Toddler	12.6 oz (357 g)	38	86 fl oz	1720
Portagen®	16 oz (454 g)	48	70 fl oz	2100
PurAmino™	14.1 oz (400 g)	88	98 fl oz	1960

* Prepared label directions.

† Calculated from fl oz as stated on label.

APPROXIMATE CONVERSION TABLES

Popular Measures

U.S. Measures	Metric
1 teaspoon	5 mL
1 tablespoon (1/2 fl oz)	15 mL
1 cup (8 fl oz)	237 mL
1 pint (16 fl oz)	473 mL
1 quart (32 fl oz)	946 mL

Avoirdupois

U.S. Measures	Metric
1 oz	28.35 g
1 lb	453.6 g
2.2 lb	1000 g (1 kilogram)

To convert: Pounds to grams, multiply by 453.6

Grams to pounds, divide by 453.6

Liquid Measures

Metric	Apothecary
1000 mL	1.06 quart
946 mL	1 quart
500 mL	1.06 pint
473 mL	1 pint
100 mL	3.38 fl oz
29.57 mL	1 fl oz

To convert: Milliliters to fl oz, divide by 29.57

fl oz to milliliters, multiply by 29.57

Temperatures

Centigrade	Fahrenheit
0°	32°
22	72
37	98.6
100	212
121	250

To convert: Centigrade to Fahrenheit:

1. Multiply by 9
2. Divide by 5
3. Add 32

Fahrenheit to Centigrade:

1. Subtract 32
2. Multiply by 5
3. Divide by 9

CALORIC DISTRIBUTION TABLE

	Caloric distribution (% of calories)		
	Protein	Fat	Carbohydrate
BCAD 1*	13	47	40
BCAD 2*	24	19	57
Enfamil® EnfaCare®	11	47	42
Enfamil® Enfalyte®	0	0	100
Enfamil® Reguline™	9	48	43
Enfamil A.R.™	10	46	44
Enfamil® Human Milk Fortifier Acidified Liquid	29	65	6
Enfamil® Newborn	8.5	48	43.5
Enfamil® for Supplementing	9	48	43
Enfamil® Infant 20	8	48	44
Enfamil® 24	8.5	48	43.5
Enfamil® Premature 20	12	44	44
Enfamil® Premature 24	12	44	44
Enfamil® Premature 24 High Protein	14	44	42
Enfamil® Premature 30	12	45	43
GA*	12	47	41
Enfamil® Gentlease®	9	48	43
HCY 1*	13	47	40
HCY 2*	22	19	59
LMD*	13	47	40
Nutramigen®	11	48	41
OA 1*	12	47	41
OA 2*	21	20	59
PFD Toddler*	0	54	46
PFD 2*	0	11	89
Phenyl-Free® 1*	13	47	40
Phenyl-Free® 2*	22	19	59
Phenyl-Free® 2 HP*	41	15	44
Portagen®	14	40	46
Pregestimil® 20 2 fl oz	11	48	41
Pregestimil® 24 Liq & 20 Pwd	11	49	40
3232 A (made with 81 g powder and 59 g added carbohydrate)	11	35	54
3232 A (without carbohydrate)	18	55	27
Enfamil® ProSobee®	10	48	42
TYROS 1*	13	47	40
TYROS 2*	22	19	59
WND® 1*	5	47	48
WND® 2*	8	23	69
Enfagrow® Toddler Transitions™	10	48	42
Enfagrow® Toddler Transitions™ Soy	13	40	47
Enfagrow® Toddler Transitions™ Gentlelease®	10	48	42
Enfagrow® Toddler Next Step™ Natural Milk Flavor	16	35	49
Enfagrow® Toddler Next Step™ Vanilla	16	35	49
Enfagrow® Next Step® RTD Natural Milk Flavor & Vanilla	27	19	54
Nutramigen® with Enflora™ LGG®	11	48	41
Nutramigen® with Enflora™ LGG® Toddler	10	39	51
PurAmino™	11	48	41
Enfaport™	14	46	40

* Protein is incomplete, since one or more of the amino acids is missing or provided at very low levels. Protein is comprised of amino acids, and the amounts are calculated as nitrogen (g) x 6.25 g of protein/g of nitrogen.

KOSHER PRODUCTS

Kosher-certified products will have a "U" within a circle in the product label.

The following Mead Johnson Nutrition products are manufactured under the supervision of the Kashruth Division of the Union of Orthodox Jewish Congregations of America, and are kosher and pareve when bearing the O.U. symbol of certification on the label, and are kosher and contain dairy ingredients when bearing the O.U.D. symbol of certification on the label.

Product	Kosher Designation
Enfamil® for Supplementing	O.U.D.
Enfamil A.R.™	O.U.D.
Enfamil® Reguline™	O.U.D.
Enfamil® EnfaCare®	O.U.D.
Enfamil® Enfalyte®	O.U.D. Pareve*
Enfamil® Gentlelease®	O.U.D.
Enfamil® Newborn	O.U.D.
Enfamil® Infant	O.U.D.
Enfagrow® Toddler Transitions™	O.U.D.
Enfagrow® Toddler Transitions™ Soy	O.U. Pareve
Enfagrow® Toddler Transitions™ Gentlelease®	O.U.D.
Enfagrow® Toddler Next Step™ Natural Milk Flavor (powder only)	O.U.D.
Enfagrow® Toddler Next Step™ Vanilla (powder only)	O.U.D.
Enfamil® Premature	O.U.D.
Enfamil® ProSobee® (powders)	O.U. Pareve
Enfamil® ProSobee® (liquids)	O.U. Pareve*
Enfamil® D-Vi-Sol® Liquid Supplement	O.U.
Enfamil® Fer-In-Sol® Liquid Supplement	O.U.
Enfamil® Poly-Vi-Sol® Liquid Supplement	O.U.
Enfamil® Poly-Vi-Sol® with Iron Liquid Supplement	O.U.
Enfamil® Tri-Vi-Sol® Liquid Supplement	O.U.
Portagen®	O.U.D.
Enfaport™	O.U.D.
Enfamil® Human Milk Fortifier Powder	O.U.D

* Pareve ingredients: manufactured on dairy equipment.

OSMOLALITY/OSMOLARITY TABLE

Formula	Calories/ fl oz	Osmolality mOsm/kg water	Osmolality mOsm/L
Enfamil® EnfaCare® Powder	22	310	280
Enfamil® EnfaCare® RTU (2 & 32 fl oz)	22	250	220
Enfamil® EnfaCare® RTU (8 fl oz)	22	250	230
Enfamil® Enfalyte®	3.7	160	157
Enfamil A.R.™ Powder	20	230	210
Enfamil A.R.™ RTU (2 fl oz)	20	240	220
Enfamil A.R.™ RTU (8 & 32 fl oz)	20	240	210
Enfamil® Human Milk Fortifier (HMF) Acidified Liquid	30 Cal/4 vials	+36*	N/A
Enfamil® Human Milk Fortifier Powder	14 Cal/4 packets	+35*	N/A
Enfamil® Newborn	20	300	270
Enfamil® for Supplementing Powder	20	230	210
Enfamil® for Supplementing RTU (2 & 8 fl oz)	20	220	200
Enfamil® Reguline™ Powder	20	250	230
Enfamil® Reguline™ RTU (2 fl oz)	20	260	230
Enfamil® Infant 20	20	300	270
Enfamil® 24	24	370	340
Enfamil® Premature 20	20	240	220
Enfamil® Premature 24	24	300	260
Enfamil® Premature 24 High Protein	24	300	260
Enfamil® Premature 30	30	320	270
Enfamil® Gentlelease® Powder	20	230	210
Enfamil® Gentlelease® RTU (2, 6, 8 & 32 fl oz)	20	220	200
Enfagrow® Toddler Transitions™	20	270	240
Enfagrow® Toddler Transitions™ Soy	20	230	200
Enfagrow® Toddler Transitions™ Gentlelease®	20	230	210
Enfagrow® Toddler Next Step™ Natural Milk Flavor	23	N/A	N/A
Enfagrow® Toddler Next Step™ Vanilla	23	N/A	N/A
Enfagrow® Next Step® RTD Natural Milk Flavor & Vanilla	15	N/A	N/A
Nutramigen® RTU (2 & 6 fl oz)	20	320	290
Nutramigen® RTU (8 & 32 fl oz)	20	270	240
Nutramigen® Concentrates	20	260	230
Nutramigen® with Enflora™ LGG®	20	300	270
Nutramigen® with Enflora™ LGG® Toddler	20	300	270
Portagen®	30	350	300
Pregestimil® Powder	20	320	280
Pregestimil® 20 RTU	20	290	260
Pregestimil® 24 RTU	24	340	310
Enfamil® ProSobee® Powder	20	178	160
Enfamil® ProSobee® RTU (2 fl oz)	20	200	180
Enfamil® ProSobee® RTU (6 & 32 fl oz)	20	170	153
Enfamil® ProSobee® Concentrates & 8 fl oz Plastic	20	170	155
PurAmino™	20	350	320
Enfaport™	30	290	250

Osmolalities for formulas are Mead Johnson analytical values.

Osmolarity is calculated from osmolality data.

* Value for Enfamil HMFL and Enfamil HMF Powder reflects the increase in osmolality when added to preterm breast milk according to directions.

N/A=Not Available

POTENTIAL RENAL SOLUTE LOAD¹ TABLE

	Calories/fl oz	mOsm/100 Calories	mOsm/100 mL
Enfamil® EnfaCare® Liquid	22	25	18.3
Enfamil® EnfaCare® Powder	22	25	18.4
Enfamil® Enfalyte®	3.7	96	12
Enfamil A.R.™	20	23	15.3
Enfamil® Human Milk Fortifier Acidified Liquid	30 (per 4 vials)	59 (per 100 Calories of EHMFAL only)	90 (EHMFAL only)
Enfamil® Human Milk Fortifier Powder	14 (per 4 packets)	70 (per 100 Calories of EHMF only)	24 (4 packets + 100 mL of PTHM)
Enfamil® Newborn	20	19.1	12.9
Enfamil® for Supplementing	20	21	14
Enfamil® Reguline™	20	21	14
Enfamil® Infant 20	20	18.6	12.5
Enfamil® 24	24	19.1	15.4
Enfamil® Premature 20	20	27	18.4
Enfamil® Premature 24	24	27	22
Enfamil® Premature 24 High Protein	24	30	24
Enfamil® Premature 30	30	27	27
Enfamil® Gentlelease®	20	21	14
Enfagrow® Toddler Transitions™	20	26	17.6
Enfagrow® Toddler Transitions™ Soy	20	30	20
Enfagrow® Toddler Transitions™ Gentlelease®	20	26	17.8
Enfagrow® Toddler Next Step™ Natural Milk Flavor	23	34	26
Enfagrow® Toddler Next Step™ Vanilla	23	34	26
Enfagrow® Next Step® RTD Vanilla & Natural Milk Flavor	15	58	30
Nutramigen®	20	25	16.9
Nutramigen® with Enflora™ LGG®	20	25	16.9
Nutramigen® with Enflora™ LGG® Toddler	20	24	15.9
Portagen®	30	30	30
Pregestimil® 20 Powder & RTU	20	25	16.9
Pregestimil® 24 RTU	24	25	20
3232 A with Carbohydrate	20	25	16.9
3232 A w/o Carbohydrate	12.7	40	16.9
Enfamil® ProSobee®	20	23	15.6
PurAmino™	20	25	16.9
Enfaport™	30	28	29

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

POTENTIAL RENAL SOLUTE LOAD¹ TABLE METABOLIC INFANT/TODDLER FORMULAS

	mOsm/100 g powder
BCAD 1	147
GA	140
HCY 1	144
LMD	145
OA 1	142
PFD Toddler	62
Phenyl-Free® 1	144
TYROS 1	148
WND® 1	88

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

HOSPITAL OR INSTITUTIONAL STORAGE GUIDELINES FOR PREPARED FORMULA

	Recommendation
Refrigeration	<ul style="list-style-type: none"> Dedicated refrigerators recommended Store at 35–40°F (2–4°C) no longer than 24 hours
Room Temperature	<ul style="list-style-type: none"> Hold no longer than a total of 2 hours before feeding If bottle is warmed, discard after 1 hour
After Feeding Begins	<ul style="list-style-type: none"> Feed within 1 hour or discard Do not refrigerate for later feedings

TUBE FEEDING HANG TIMES*,†

	Neonates or Immunocompromised Infants/Children	Infants and Children with Healthy Immune Systems
Ready-To-Use liquid unaltered infant formula (commercially sterile)	4 hours	8 hours
Concentrated liquid formulas (commercially sterile)	4 hours	4 hours
Powdered formulas (not sterile)		
Powder or liquids added to liquid formulas or expressed breast milk ²	4 hours	4 hours

Failure to follow these instructions could result in severe harm.

* Adapted from: Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities. Second edition. American Dietetic Association. 2011:1.00.

† For reservoir and tube-change guidelines, refer to: Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities. Second edition. American Dietetic Association. 2011.

2. Telang S, Berseth CL, Ferguson PW, et al. Fortifying fresh human milk with commercial powdered human milk fortifiers does not affect bacterial growth during 6 hours at room temperature. *J Am Diet Assoc.* 2005;105:1567-1572.

INFANT FORMULA AMINO ACID COMPOSITIONS

Essential Amino Acids

	Histidine	Isoleucine	Leucine	Lysine
Enfamil® EnfaCare® mg/100 Calories mg/100 g*	70 350	162 800	300 1480	250 1240
Enfamil A.R.™ mg/100 Calories mg/100 g*	73 360	130 640	250 1250	210 1040
Enfamil® Newborn mg/100 Calories mg/100 g*	46 240	124 640	240 1250	176 910
Enfamil® for Supplementing mg/100 Calories mg/100 g*	46 230	143 730	240 1240	163 830
Enfamil® Reguline™ mg/100 Calories mg/100 g*	46 230	143 730	240 1240	163 830
Enfamil® Infant mg/100 Calories mg/100 g*	50 250	116 590	210 1080	180 910
Enfamil® Premature 20, 24 & 30 Cal mg/100 Calories	60	186	320	210
Enfamil® Premature 24 High Protein mg/100 Calories	70	220	370	250
Enfamil® Gentlelease® mg/100 Calories mg/100 g*	58 290	133 680	250 1250	210 1050
Enfagrow® Toddler Transitions™ mg/100 Calories mg/100 g*	75 370	135 670	260 1300	220 1080
Enfagrow® Toddler Transitions™ Soy mg/100 Calories mg/100 g*	89 420	162 770	270 1290	210 990
Enfagrow® Toddler Transitions™ Gentlelease® mg/100 Calories mg/100 g*	65 320	151 750	280 1380	230 1160
Enfagrow® Toddler Next Step™ Vanilla and Natural Milk Flavor mg/100 Calories mg/100 g*	112 500	200 890	400 1800	320 1440
Enfagrow® Next Step® RTD Vanilla and Natural Milk Flavor mg/100 Calories	179	320	650	520
Nutramigen® mg/100 Calories	84	168	290	240
Pregestimil® mg/100 Calories mg/100 g*	84 420	168 840	290 1430	240 1200
3232 A mg/100 g*	660	1320	2200	1890
Enfamil® ProSobee® mg/100 Calories mg/100 g*	68 340	123 620	210 1040	158 800
Nutramigen® with Enflora™ LGG® mg/100 Calories mg/100 g*	84 420	168 830	290 1420	240 1200
PurAmino™ mg/100 Calories mg/100 g*	73 360	190 950	340 1710	220 1110
Enfaport™ mg/100 Calories	112	200	360	300

* Powder only.

† Methionine level is 53 mg/100 Cal in 13 fl oz concentrate.

N/A=None Added

Methionine	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
64 320	51 250	118 580	112 550	171 840	49 240	171 840
63 310	23 112	125 620	125 620	115 570	35 175	158 780
44 230	44 230	84 430	69 360	141 720	32 166	124 640
46 230	28 143	92 470	106 540	124 630	35 180	145 740
46 230	28 143	92 470	106 540	124 630	35 180	145 740
46 230	36 184	84 420	80 400	122 620	35 177	122 620
60	37	120	138	162	46	189
70	43	140	161	189	54	220
53 270	42 210	97 490	92 470	140 710	40 200	140 710
65 320	23 116	130 650	130 650	120 590	37 182	164 810
76 360	36 173	175 830	129 610	122 580	43 200	168 800
60 300	47 230	109 540	104 520	159 790	46 230	159 790
104 460	36 160	200 870	180 800	176 780	55 240	240 1070
166	58	310	290	280	88	380
87	45	134	62	137	45	210
87 430	45 220	134 670	62 310	137 690	45 220	210 1050
680	350	1060	620	1080	350	1650
65 ¹ 330	28 140	133 670	98 500	93 470	33 165	128 650
87 430	45 220	134 670	62 310	137 680	45 220	210 1040
64 320	73 360	140 700	151 750	171 850	67 330	210 1060
102	10.5	200	200	147	46	260

INFANT FORMULA AMINO ACID COMPOSITIONS

Nonessential Amino Acids

	Arginine	Alanine	Aspartic Acid
Enfamil® EnfaCare® mg/100 Calories mg/100 g*	84 410	123 610	270 1350
Enfamil A.R.™ mg/100 Calories mg/100 g*	88 430	85 420	200 990
Enfamil® Newborn mg/100 Calories mg/100 g*	50 260	105 540	230 1170
Enfamil® for Supplementing mg/100 Calories mg/100 g*	53 270	99 500	210 1090
Enfamil® Reguline™ mg/100 Calories mg/100 g*	53 270	99 500	210 1090
Enfamil® Infant mg/100 Calories mg/100 g*	60 300	88 440	200 990
Enfamil® Premature 20, 24 & 30 Cal mg/100 Calories	69	129	280
Enfamil® Premature 24 High Protein mg/100 Calories	81	151	330
Enfamil® Gentlelease® mg/100 Calories mg/100 g*	69 350	101 510	230 1150
Enfagrow® Toddler Transitions™ mg/100 Calories mg/100 g*	91 450	88 440	210 1030
Enfagrow® Toddler Transitions™ Soy mg/100 Calories mg/100 g*	260 1260	142 680	390 1840
Enfagrow® Toddler Transitions™ Gentlelease® mg/100 Calories mg/100 g*	78 390	114 570	250 1260
Enfagrow® Toddler Next Step™ Vanilla mg/100 Calories mg/100 g*	124 550	136 610	310 1390
Enfagrow® Next Step® RTD Vanilla and Natural Milk Flavor mg/100 Calories	200	220	500
Nutramigen® mg/100 Calories	112	101	220
Pregestimil® mg/100 Calories mg/100 g*	112 560	101 500	220 1120
3232 A mg/100 g*	880	790	1760
Enfamil® ProSobee® mg/100 Calories mg/100 g*	200 1020	108 550	290 1490
Nutramigen® with Enflora™ LGG® mg/100 Calories mg/100 g*	112 560	101 500	220 1110
PurAmino™ mg/100 Calories mg/100 g*	148 740	270 1350	560 2800
Enfaport™ mg/100 Calories	144	133	270

* Powder only. N/A=None Added

Glutamic Acid	Glycine	Proline	Serine
560 2800	56 280	220 1100	160 790
550 2700	50 250	250 1230	145 720
420 2200	44 230	162 830	124 640
440 2300	46 230	200 990	113 570
440 2300	46 230	200 990	113 570
400 2000	40 200	160 810	114 580
580	60	260	147
680	70	300	172
460 2300	46 230	184 940	131 670
570 2800	52 260	260 1280	151 750
620 3000	139 660	178 850	168 800
520 2600	52 260	210 1030	148 740
840 3700	76 340	380 1670	220 980
1340	122	600	350
640	67	300	176
640 3200	67 340	300 1510	176 880
5100	530	2400	1390
470 2400	105 530	135 690	128 650
640 3200	67 330	300 1500	176 880
168 830	73 360	280 1390	171 850
840	70	420	179

METABOLIC FORMULA AMINO ACID COMPOSITIONS

Essential Amino Acids (mg per 100 g powder)

	Histidine	Isoleucine	Leucine	Lysine
BCAD 1	550	0	0	1770
BCAD 2	890	0	0	2900
GA	420	1210	2200	0
HCY 1	410	1150	2100	1310
HCY 2	550	1560	2900	1780
LMD	470	580	0	1510
OA 1	470	0	2400	1510
OA 2	650	0	3400	2100
PFD Toddler	0	0	0	0
PFD 2	0	0	0	0
Phenyl-Free® 1	410	1150	2100	1300
Phenyl-Free® 2	550	1560	2900	1760
Phenyl-Free® 2 HP	1000	2800	5200	3200
TYROS 1	420	1200	2200	1370
TYROS 2	550	1580	2900	1800
WND® 1	430	990	1930	1230
WND® 2	520	1190	2400	1490
Portagen®	520	940	1650	1410

Nonessential Amino Acids (mg per 100 g powder)

	Arginine	Alanine	Aspartic Acid	Glutamic Acid
BCAD 1	1180	1280	1560	3100
BCAD 2	1730	1870	2300	4500
GA	1040	3600	1360	0
HCY 1	990	1070	1300	2600
HCY 2	1340	1450	1760	3500
LMD	1100	4900	1430	0
OA 1	1000	4600	1320	0
OA 2	1340	6100	1760	0
PFD Toddler	0	0	0	0
PFD 2	0	0	0	0
Phenyl-Free 1	970	1070	1280	2600
Phenyl-Free 2	1320	1450	1740	3500
Phenyl-Free 2 HP	2400	2600	3200	6300
TYROS 1	1100	1200	1450	2900
TYROS 2	1450	1580	1910	3800
WND 1	0	0	0	0
WND 2	0	0	0	0
Portagen	660	610	1250	3900

Methionine	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
470	340	920	920	760	410	0
770	550	1490	1490	1220	650	0
360	260	710	710	790	0	1310
0	600	680	680	760	310	1260
0	810	920	920	1030	420	1720
410	290	780	780	870	340	630
0	290	790	790	0	350	0
0	420	1110	1110	0	480	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
360	240	0	1600	750	290	1250
480	330	0	2200	1010	400	1690
880	600	0	4000	1840	720	3100
370	270	0	0	780	320	1320
480	350	0	0	1030	420	1740
240	200	670	800	850	380	990
300	240	800	960	1020	460	1190
470	49	910	940	680	210	1180

Glycine	Proline	Serine
710	1560	780
1030	2300	1130
1040	1360	710
580	1300	650
790	1760	880
1100	1430	750
1000	1320	690
1340	1760	920
0	0	0
0	0	0
580	1280	630
790	1740	860
1440	3200	1560
650	1450	720
860	1910	950
0	0	0
0	0	0
320	1930	830

Healthcare Professional and Consumer Resources

Healthcare Professional Resources

MeadJohnson.com/pediatrics

Your Partner in Pediatric Nutrition

The Mead Johnson Nutrition Healthcare Professional Resource Center provides information for all the Mead Johnson science-based pediatric nutrition products, as well as clinical information.



Consumer Resources

Home Delivery for Consumers: enfamil.com/Shop

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