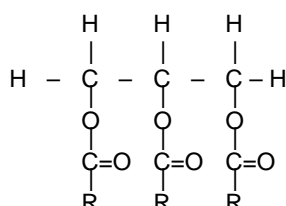


Product
Name

NEOBEE[®] M-5 COSMETIC

Chemical
Structure



R = C₇H₁₅ and C₉H₁₉ (55/45)

NEOBEE M-5 COSMETIC is a triglyceride of medium chain fatty acids.

73398-61-5

CAS
Registry No.

INCI Name

Caprylic/Capric Triglyceride

Applications

Functional Properties

- Primary and secondary emollient
- Solubilizing agent for mineral oils, silicones and fragrances
- Lubricant

End Product uses

- Hair Conditioners
- Creams/Lotions
- Antiperspirant/Deodorants
- Liquid and Cream Make-Ups
- Bath Oils
- Suntan and Sunless Creams and Lotions
- Lipstick/Glosses/Balms
- Pre- and After-Shave Products

Typical
Properties

Appearance at 25°C.....	Water-white to slightly yellow liquid	Flash Point (PMCC), °C (°F),	260 (500)
Saponification Value	334	Boiling Point, °C (°F),	>150 (>300)
Hydroxyl Value.....	1.2	Color (APHA)	30.32
Moisture, %	0.03	Color (LOVIBOND), Red	0.2
Iodine Value	0.06	Viscosity, cps at 25°C.....	23
Free Fatty Acid, %.....	0.05	Density, g/ml (lbs/U.S. gal).....	0.95 (7.90)
Freeze Point, °C (°F).....	-5 (23)	RVOC, U.S. EPA, %.....	0
Solubility			
Water.....	Insoluble	Mineral Oil.....	Soluble
Alcohol (IPA).....	Soluble	Vegetable Oil (Peanut).....	Soluble

Biodegradability

Product is biodegradable. Additional information is available upon request.

Toxicity

NEOBEE M-5 COSMETIC has an LD₅₀ >36 ml/kg body weight (rats) and may cause very mild transient eye irritation but no skin irritation when applied undiluted.

Storage &
Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling NEOBEE M-5 COSMETIC. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that NEOBEE M-5 COSMETIC be stored in sealed containers and kept at temperatures not exceeding 90°F (32°C). Avoid overheating.

Standard Packaging: NEOBEE M-5 COSMETIC is available in 55 gallon steel closed head lined drums (net weight 430 lb/195 kg).

Clearances

All components of NEOBEE M-5 COSMETIC are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: Europe (EINECS 277-452-2), Japan (ENCS 2-669), Canada (DSL 73398-61-5), Australia (AICS 73398-61-5), Korea (ECL Serial No. KE-17905), United States (TSCA 73398-61-5), China (IECSC 73398-61-5) and Philippines (PICCS 73398-61-5).

NEOBEE M-5 COSMETIC is Kosher Certified.

NEOBEE[®], AMMONYX[®], STEPAN[®] and WECOBEE[®] are registered trademarks of Stepan Company.



Formulations

BARRIER HAND & BODY LOTION

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
1. D.I. Water	q.s. to 100.0	Solvent, Carrier
2. Glycerin	5.0	Humectant
3. Methyl Paraben	0.15	Preservative
4. AMMONYX® GA-70PG	2.86	Primary Emulsifier
5. NEOBEE M-5 COSMETIC	15.0	Primary Emollient
6. Glyceryl Monostearate	2.5	Secondary Emulsifier
7. Isopropyl Palmitate	1.0	Secondary Emollient
8. Stearyl Alcohol	2.0	Thickener
9. Cetyl Alcohol	1.5	Thickener
10. Propyl Paraben	0.01	Preservative
11. Preservative, Fragrance, Dye	q.s.	Additives

Mixing Procedure:

Prepare water phase by adding water, Glycerin, Methyl Paraben and AMMONYX GA-70PG. Mix well. Start heating to 160°F (71°C). Prepare oil phase by adding NEOBEE M-5 COSMETIC, Glyceryl Monostearate, Isopropyl Palmitate, STEARYL ALCOHOL 97, STEPAN CETYL ALCOHOL, and Propyl Paraben. Heat to 160-165°F (71-74°C). Add oil phase to the water phase. Emulsify for 20-25 minutes. Cool to room temperature. Add preservative, fragrance and dye, as desired.

TANNING ACCELERATOR

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
1. D.I. Water	q.s. to 100.0	Solvent, Carrier
2. Methyl Paraben	0.15	Preservative
3. Propyl Paraben	0.01	Preservative
4. Glycerin	3.5	Humectant
5. Steareth-20	0.4	Emulsifier
6. NEOBEE M-5 COSMETIC	10.0	Primary Emollient
7. Glyceryl Monostearate	3.0	Emulsifier
8. CETYL ALCOHOL	2.0	Thickener
9. WECOBEE® S	2.5	Secondary Emollient
10. Silicone 200 (350 cps)	1.0	Emollient
11. Preservative, Fragrance, Dye	q.s.	Additives
12. Dihydroxyacetone	3.5	Active Material

Mixing Procedure:

Prepare water phase by adding water, Methyl Paraben and Glycerin. Mix well. Heat to 160°F (71°C). Prepare oil phase by adding Steareth-20, Propyl Paraben, NEOBEE M-5 COSMETIC, Glycerol Monostearate, CETYL ALCOHOL, NF and WECOBEE S. Heat to 165°F (74°C). Add oil phase to the water phase. Increase agitation. Mix at 165°F (74°C) for 20-25 minutes. Start cooling to room temperature. At 110°F (43.3°C), add preservative, fragrance and dye, as desired. Premix Dihydroxyacetone with water. Add at 95°F (35°C). Mix well. Adjust pH.

Additional Safety Information

A Material Safety Data Sheet is available upon request.

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Stepan

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Page 2 of 2

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