



# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and according to the Hazardous Products Regulation (February 11, 2015).

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## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

**Product Code:** 42015340, 42017298

### Intended Use of the Product

Laundry Detergent

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Church & Dwight Co. Inc.  
500 Charles Ewing Blvd  
Ewing Township, NJ 08628  
T 1-800-524-1328

[www.churchdwight.com](http://www.churchdwight.com)

#### **Company**

Church and Dwight Canada Corp.  
5485 Ferrier  
Montreal, Qc, H4P 1M6

[www.churchdwight.ca](http://www.churchdwight.ca)

[www.econsumeraffairs.com/churchdwight/contactus](http://www.econsumeraffairs.com/churchdwight/contactus)

### Emergency Telephone Number

**Emergency Number** : For Medical Emergency: 1-888-234-1828 (USA and Canada), 952-853-1925 (Outside USA and Canada)  
For Chemical Emergency: VelocityEHS (800)255-3924 (North America) +1 (813)248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### Classification of the Substance or Mixture

#### **GHS-US/CA Classification**

Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 1	H318
Skin sensitization, category 1A	H317
Reproductive toxicity Category 1B	H360
Hazardous to the aquatic environment – Acute Hazard Category 2	H401
Hazardous to the aquatic environment – Chronic Hazard Category 3	H412

### Label Elements

#### **GHS-US/CA Labeling**

#### **Hazard Pictograms (GHS-US/CA)**



#### **Signal Word (GHS-US/CA)**

: Danger

#### **Hazard Statements (GHS-US/CA)**

- : H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H360 - May damage fertility or the unborn child.
- H401 - Toxic to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

#### **Precautionary Statements (GHS-US/CA)**

- : P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.

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P261 - Avoid breathing vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P310 - Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### Unknown Acute Toxicity (GHS-US/CA)

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Alcohols, C12-15, ethoxylated	(CAS-No.) 68131-39-5	< 10.618	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Alcohols, C10-16, ethoxylated	(CAS-No.) 68002-97-1	≤ 10.191	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alcohols, C12-16, ethoxylated	(CAS-No.) 68551-12-2	≤ 10.191	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	(CAS-No.) 68585-34-2	5.168 - 5.7	Skin Irrit. 2, H315 Eye Dam. 1, H318
Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts	(CAS-No.) 68081-81-2	≤ 2.052	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Disodium tetraborate pentahydrate	(CAS-No.) 12179-04-3	0.5 – 1.5	Eye Irrit. 2A, H319 Repr. 1B, H360
1,2-Propanediol	(CAS-No.) 57-55-6	≤ 1	Not classified.
Octanal, 2-(phenylmethylene)-	(CAS-No.) 101-86-0	0.06 – 0.12	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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Alcohols, C12-13, ethoxylated	(CAS-No.) 66455-14-9	≤ 0.1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
D-Limonene	(CAS-No.) 5989-27-5	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzyl acetate	(CAS-No.) 140-11-4	< 0.1	Flam. Liq. 4, H227 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Citral	(CAS-No.) 5392-40-5	< 0.1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401
Subtilisin	(CAS-No.) 9014-01-1	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
1,2-Benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
3(2H)-Isothiazolone, 2-methyl-	(CAS-No.) 2682-20-4	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene oxide	(CAS-No.) 75-21-8	≤ 0.0001	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:gas), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H335 STOT RE 1, H372 Aquatic Acute 3, H402

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			Aquatic Chronic 3, H412
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Full text of H-statements: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).\*\* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES

### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Skin sensitization. Causes skin irritation. Causes serious eye damage. May damage fertility. May damage the unborn child.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May produce an allergic reaction. May damage fertility. May damage the unborn child.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Sulfur oxides. Sodium oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

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**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material.

### Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Do not get in eyes, on skin, or on clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### Specific End Use(s)

Laundry Detergent

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Ethylene oxide (75-21-8)		
USA ACGIH	ACGIH OEL TWA	1 ppm
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA ACGIH	BEI (BLV)	Parameter: N-(2-Hydroxyethyl)valine (HEV) hemoglobin adducts - Medium: blood - Sampling time: not critical (applies to workers having representative Ethylene oxide exposure during the previous 120 days) Parameter: S-(2-Hydroxyethyl)mercapturic acid (HEMA) - Medium: urine - Sampling time: end of shift (nonspecific, population based)
USA OSHA	OSHA PEL TWA	1 ppm
USA OSHA	OSHA PEL STEL	5 ppm (see 29 CFR 1910.1047)
USA OSHA	OSHA Action Level/Excursion Limit	0.5 ppm (Action Level, see 29 CFR 1910.1047) 5 ppm (Excursion Limit, see 29 CFR 1910.1047)
USA NIOSH	NIOSH REL (TWA)	0.18 mg/m <sup>3</sup> (less than stated value)
USA NIOSH	NIOSH REL (TWA)	0.1 ppm (less than stated value)
USA NIOSH	NIOSH REL (Ceiling)	9 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (Ceiling)	5 ppm
USA IDLH	IDLH	800 ppm
Alberta	OEL TWA	1.8 mg/m <sup>3</sup>
Alberta	OEL TWA	1 ppm

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British Columbia	OEL STEL	1 ppm
British Columbia	OEL TWA	0.1 ppm
Manitoba	OEL TWA	1 ppm
New Brunswick	OEL TWA	1 ppm
Newfoundland & Labrador	OEL TWA	1 ppm
Nova Scotia	OEL TWA	1 ppm
Nunavut	OEL STEL	2 ppm
Nunavut	OEL TWA	1 ppm
Northwest Territories	OEL STEL	2 ppm
Northwest Territories	OEL TWA	1 ppm
Ontario	OEL TWAEV	18 mg/m <sup>3</sup> (designated substances regulation)
Ontario	OEL TWAEV	10 ppm (designated substances regulation)
Ontario	OEL TWAEV	1.8 mg/m <sup>3</sup> (designated substances regulation)
Ontario	OEL TWAEV	1 ppm (designated substances regulation) 1 ppm (applies to workplaces to which the designated substances regulation does not apply)
Prince Edward Island	OEL TWA	1 ppm
Québec	VEMP (OEL TWAEV)	1.8 mg/m <sup>3</sup>
Québec	VEMP (OEL TWAEV)	1 ppm
Saskatchewan	OEL STEL	2 ppm
Saskatchewan	OEL TWA	1 ppm
Yukon	OEL STEL	135 mg/m <sup>3</sup>
Yukon	OEL STEL	75 ppm
Yukon	OEL TWA	90 mg/m <sup>3</sup>
Yukon	OEL TWA	50 ppm
<b>1,2-Propanediol (57-55-6)</b>		
USA AIHA	WEEL TWA	10 mg/m <sup>3</sup>
Ontario	OEL TWAEV	10 mg/m <sup>3</sup> (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present-aerosol only) 155 mg/m <sup>3</sup> (aerosol and vapor)
Ontario	OEL TWAEV	50 ppm (aerosol and vapor)
<b>Subtilisin (9014-01-1)</b>		
USA ACGIH	ACGIH OEL Ceiling	0.00006 mg/m <sup>3</sup> (Subtilisins)
USA NIOSH	NIOSH REL (STEL)	0.00006 mg/m <sup>3</sup> (Subtilisins)
Alberta	OEL C	0.00006 mg/m <sup>3</sup>
British Columbia	OEL C	0.00006 mg/m <sup>3</sup>
Manitoba	OEL C	0.00006 mg/m <sup>3</sup> (Subtilisins)
New Brunswick	OEL C	0.00006 mg/m <sup>3</sup> (Subtilisins)
Newfoundland & Labrador	OEL C	0.00006 mg/m <sup>3</sup> (Subtilisins)
Nova Scotia	OEL C	0.00006 mg/m <sup>3</sup> (Subtilisins)
Nunavut	OEL C	0.00006 mg/m <sup>3</sup>
Northwest Territories	OEL C	0.00006 mg/m <sup>3</sup>
Ontario	OEL C	0.00006 mg/m <sup>3</sup>
Prince Edward Island	OEL C	0.00006 mg/m <sup>3</sup> (Subtilisins)
Québec	Plafond (OEL C)	0.00006 mg/m <sup>3</sup> (Proteolytic enzymes)
Saskatchewan	OEL C	0.00006 mg/m <sup>3</sup>
Yukon	OEL C	0.00006 mg/m <sup>3</sup> (Proteolytic enzymes)
<b>D-Limonene (5989-27-5)</b>		
USA AIHA	WEEL TWA	30 ppm

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<b>Benzyl acetate (140-11-4)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA	10 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>Alberta</b>	OEL TWA	61 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA	10 ppm
<b>British Columbia</b>	OEL TWA	10 ppm
<b>Manitoba</b>	OEL TWA	10 ppm
<b>New Brunswick</b>	OEL TWA	10 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA	10 ppm
<b>Nova Scotia</b>	OEL TWA	10 ppm
<b>Nunavut</b>	OEL STEL	20 ppm
<b>Nunavut</b>	OEL TWA	10 ppm
<b>Northwest Territories</b>	OEL STEL	20 ppm
<b>Northwest Territories</b>	OEL TWA	10 ppm
<b>Ontario</b>	OEL TWAEV	10 ppm
<b>Prince Edward Island</b>	OEL TWA	10 ppm
<b>Québec</b>	VEMP (OEL TWAEV)	10 ppm
<b>Saskatchewan</b>	OEL STEL	20 ppm
<b>Saskatchewan</b>	OEL TWA	10 ppm
<b>Citral (5392-40-5)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA	5 ppm (inhalable fraction and vapor)
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer
<b>Manitoba</b>	OEL TWA	5 ppm (inhalable fraction and vapor)
<b>New Brunswick</b>	OEL TWA	5 ppm (inhalable fraction and vapor)
<b>Newfoundland &amp; Labrador</b>	OEL TWA	5 ppm (inhalable fraction and vapor)
<b>Nova Scotia</b>	OEL TWA	5 ppm (inhalable fraction and vapor)
<b>Ontario</b>	OEL TWAEV	5 ppm (inhalable fraction and vapor)
<b>Prince Edward Island</b>	OEL TWA	5 ppm (inhalable fraction and vapor)
<b>Disodium tetraborate pentahydrate (12179-04-3)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))
<b>USA ACGIH</b>	ACGIH OEL STEL	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA NIOSH</b>	NIOSH REL (TWA)	1 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL	3 ppm (Borates, tetra, sodium salts)
<b>Alberta</b>	OEL TWA	1 mg/m <sup>3</sup> (Borates, tetra, sodium salts)
<b>British Columbia</b>	OEL STEL	6 mg/m <sup>3</sup> (inhalable (Borate compounds, inorganic))
<b>British Columbia</b>	OEL TWA	2 mg/m <sup>3</sup> (inhalable (Borate compounds, inorganic))
<b>Manitoba</b>	OEL STEL	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))
<b>Manitoba</b>	OEL TWA	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))
<b>New Brunswick</b>	OEL STEL	6 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic))
<b>New Brunswick</b>	OEL TWA	2 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic))
<b>Newfoundland &amp; Labrador</b>	OEL STEL	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))
<b>Newfoundland &amp; Labrador</b>	OEL TWA	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic))

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		inorganic)
Nova Scotia	OEL STEL	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Nova Scotia	OEL TWA	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Nunavut	OEL STEL	6 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)
Nunavut	OEL TWA	2 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)
Northwest Territories	OEL STEL	6 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)
Northwest Territories	OEL TWA	2 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)
Ontario	OEL TWAEV	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Ontario	OEL TWAEV	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Prince Edward Island	OEL STEL	6 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Prince Edward Island	OEL TWA	2 mg/m <sup>3</sup> (inhalable particulate matter (Borate compounds, inorganic)
Québec	VECD (OEL STEV)	6 mg/m <sup>3</sup> (inhalable dust (Borate, inorganic compounds)
Québec	VEMP (OEL TWAEV)	2 mg/m <sup>3</sup> (inhalable dust (Borate, inorganic compounds)
Saskatchewan	OEL STEL	6 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)
Saskatchewan	OEL TWA	2 mg/m <sup>3</sup> (inhalable fraction (Borate compounds, inorganic)

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment:** For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** For occupational/workplace settings: Chemically resistant materials and fabrics.

**Hand Protection:** For occupational/workplace settings: Wear protective gloves.

**Eye Protection:** For occupational/workplace settings: Chemical safety goggles.

**Skin and Body Protection:** For occupational/workplace settings: Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Blue
Odor	: Characteristic
Odor Threshold	: No data available
pH	: 7.5 – 8.5
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available



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Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.03 - 1.05
Solubility	: Complete in water.
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: 250 – 1000 cP

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity:

Hazardous reactions will not occur under normal conditions.

### Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

### Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

### Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

### Hazardous Decomposition Products:

Not expected to decompose under ambient conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified.

**Acute Toxicity (Dermal):** Not classified.

**Acute Toxicity (Inhalation):** Not classified.

### **LD50 and LC50 Data:**

No additional information available

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 7.5 – 8.5

**Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 7.5 – 8.5

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction. (2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) has been shown to elicit allergic reactions in concentrations as low as 0.0015%.)

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May produce an allergic reaction. May damage fertility. May damage the unborn child.

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

### Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
LD50 Oral Rat	1020 mg/kg (Source: NZ_CCID)
LD50 Dermal Rat	> 2000 mg/kg (Source: ECHA_API)
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
LD50 Oral Rat	120 mg/kg (Source: EU_CLH)
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0.11 mg/l/4h
<b>Alcohols, C12-13, ethoxylated (66455-14-9)</b>	
LD50 Oral Rat	> 10 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	3300 mg/kg (Source: ECHA_API)
<b>Ethylene oxide (75-21-8)</b>	
LD50 Oral Rat	72 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	800 ppm/4h
<b>Alcohols, C10-16, ethoxylated (68002-97-1)</b>	
ATE US/CA (oral)	500.00 mg/kg body weight
<b>1,2-Propanediol (57-55-6)</b>	
LD50 Oral Rat	20 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	20800 mg/kg (Source: NLM_CIP)
<b>Subtilisin (9014-01-1)</b>	
LD50 Oral Rat	1800 mg/kg (Species: Wistar)
LC50 Inhalation Rat	0.0177 mg/l/4h
<b>Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)</b>	
LD50 Oral Rat	1,080.00 mg/kg body weight
<b>Alcohols, C12-15, ethoxylated (68131-39-5)</b>	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
<b>Octanal, 2-(phenylmethylene)- (101-86-0)</b>	
LD50 Oral Rat	3100 mg/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	> 3000 mg/kg (Source: EPA_HPVS)
LC50 Inhalation Rat	> 5 mg/l/4h
<b>D-Limonene (5989-27-5)</b>	
LD50 Oral Rat	4400 mg/kg (Source: CHEMVIEW)
LD50 Dermal Rabbit	> 5 g/kg (Source: CHEMVIEW)
<b>Benzyl acetate (140-11-4)</b>	
LD50 Oral Rat	2490 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rabbit	> 5000 mg/kg (Source: JAPAN_GHS)
<b>Citral (5392-40-5)</b>	
LD50 Oral Rat	4960 mg/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	2250 mg/kg (Source: NLM_CIP)
<b>Disodium tetraborate pentahydrate (12179-04-3)</b>	
LD50 Oral Rat	2403 mg/kg (Source: NZ_CCID)
<b>Ethylene oxide (75-21-8)</b>	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

<b>D-Limonene (5989-27-5)</b>	
<b>IARC Group</b>	3
<b>National Toxicology Program (NTP) Status</b>	Evidence of Carcinogenicity.
<b>Benzyl acetate (140-11-4)</b>	
<b>IARC Group</b>	3

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
<b>EC50 - Crustacea [1]</b>	0.99 mg/l
<b>Alcohols, C12-13, ethoxylated (66455-14-9)</b>	
<b>LC50 Fish 1</b>	< 1 mg/l
<b>NOEC Chronic Fish</b>	1.14 mg/l
<b>NOEC Chronic Crustacea</b>	0.8 mg/l
<b>Ethylene oxide (75-21-8)</b>	
<b>LC50 Fish 1</b>	73 – 96 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: EPA)
<b>EC50 - Crustacea [1]</b>	137 – 300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Alcohols, C10-16, ethoxylated (68002-97-1)</b>	
<b>LC50 Fish 1</b>	> 1 mg/l
<b>EC50 - Crustacea [1]</b>	0.238 mg/l
<b>ErC50 algae</b>	0.254 mg/l
<b>NOEC Chronic Fish</b>	> 0.1 mg/l
<b>NOEC Chronic Algae</b>	0.077 mg/l
<b>1,2-Propanediol (57-55-6)</b>	
<b>LC50 Fish 1</b>	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
<b>EC50 - Crustacea [1]</b>	10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
<b>LC50 Fish 2</b>	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
<b>EC50 - Crustacea [2]</b>	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>NOEC Chronic Crustacea</b>	1000 mg/l
<b>NOEC Chronic Algae</b>	1000 mg/l
<b>Subtilisin (9014-01-1)</b>	
<b>LC50 Fish 1</b>	14.6 mg/l
<b>EC50 - Crustacea [1]</b>	0.306 mg/l
<b>ErC50 algae</b>	0.513 (0.513 – 1.48) mg/l
<b>NOEC Chronic Fish</b>	0.024 mg/l
<b>NOEC Chronic Crustacea</b>	0.324 mg/l
<b>Alcohols, C12-15, ethoxylated (68131-39-5)</b>	
<b>LC50 Fish 1</b>	> 1 – 10 mg/l
<b>EC50 - Crustacea [1]</b>	> 1 – 10 mg/l
<b>ErC50 algae</b>	> 1 – 100 mg/l
<b>NOEC Chronic Fish</b>	> 0.1 mg/l
<b>NOEC Chronic Crustacea</b>	> 0.1 mg/l
<b>NOEC Chronic Algae</b>	> 100 mg/l
<b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)</b>	
<b>EC50 - Crustacea [1]</b>	3.43 g/l (Exposure 48 Hr: Species - Ceriodaphnia dubia (Water flea))
<b>D-Limonene (5989-27-5)</b>	
<b>LC50 Fish 1</b>	0.619 (0.619 – 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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EC50 - Crustacea [1]	0.421 mg/l
LC50 Fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
<b>Benzyl acetate (140-11-4)</b>	
LC50 Fish 1	4 mg/l
NOEC Chronic Fish	0.92 mg/l
<b>Citral (5392-40-5)</b>	
LC50 Fish 1	4.1 mg/l
EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Alcohols, C12-16, ethoxylated (68551-12-2)</b>	
LC50 Fish 1	> 1 mg/l
NOEC Chronic Fish	> 0.1

## Persistence and Degradability

<b>Arm &amp; Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)</b>	
Persistence and Degradability	May cause long-term adverse effects in the environment.

## Bioaccumulative Potential

<b>Arm &amp; Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)</b>	
Bioaccumulative Potential	Not established.

<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
Log POW	0.99 (at 20 °C (at pH 5))
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
Log POW	-0.26 (at 20 °C (at pH 5))
<b>Ethylene oxide (75-21-8)</b>	
Log POW	-0.3 (at 25 °C (at pH 7))
<b>1,2-Propanediol (57-55-6)</b>	
BCF Fish 1	(1 dimensionless)
Log POW	-0.92
<b>Subtilisin (9014-01-1)</b>	
Log POW	-3.1 (at 25 °C (at pH 9.2))
<b>D-Limonene (5989-27-5)</b>	
Log POW	4.38 (at 37 °C (at pH 7.2))
<b>Benzyl acetate (140-11-4)</b>	
Log POW	1.96 (at 25 °C (at pH 7))
<b>Citral (5392-40-5)</b>	
Log POW	2.76 (at 25 °C)

## Mobility in Soil

No additional information available

## Other Adverse Effects

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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### In Accordance with DOT

Not regulated for transport

### In Accordance with IMDG

Not regulated for transport

### In Accordance with IATA

Not regulated for transport

### In Accordance with TDG

Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### US Federal and International Regulations

Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)	
<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Respiratory or skin sensitization Health hazard - Skin corrosion or Irritation Health hazard - Reproductive toxicity Health hazard - Serious eye damage or eye irritation
<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
<b>Alcohols, C12-13, ethoxylated (66455-14-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List)	

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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Listed on the EU NLP (No Longer Polymers) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Ethylene oxide (75-21-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on IARC (International Agency for Research on Cancer) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List) Listed as carcinogen on NTP (National Toxicology Program) Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Poisonous and Deleterious Substances Control Law Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>CERCLA RQ</b>	10 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	1000 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>Alcohols, C10-16, ethoxylated (68002-97-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EU NLP (No Longer Polymers) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law)	

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>1,2-Propanediol (57-55-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>Subtilisin (9014-01-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>Alcohols, C12-15, ethoxylated (68131-39-5)</b>	

# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EU NLP (No Longer Polymers) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EU NLP (No Longer Polymers) inventory Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Octanal, 2-(phenylmethylene)- (101-86-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>D-Limonene (5989-27-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List)	



# Arm & Hammer™ Liquid Laundry Detergent plus OxiClean™ MAX Fresh Scent Ultra Concentrated (NA GHS 2015)

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Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Canadian IDL (Ingredient Disclosure List)  
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### **Benzyl acetate (140-11-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)  
Listed on Thailand Existing Chemicals Inventory (DIW)

### **Citral (5392-40-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Canadian IDL (Ingredient Disclosure List)  
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)  
Listed on Thailand Existing Chemicals Inventory (DIW)

### **Disodium tetraborate pentahydrate (12179-04-3)**

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

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Listed on the NCI (Vietnam - National Chemical Inventory)	
Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>Alcohols, C12-16, ethoxylated (68551-12-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the EU NLP (No Longer Polymers) inventory	
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on KECL/KECI (Korean Existing Chemicals Inventory)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on the Japanese ISHL (Industrial Safety and Health Law)	
Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	
Listed on the NCI (Vietnam - National Chemical Inventory)	
Listed on Thailand Existing Chemicals Inventory (DIW)	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

## US State Regulations

### California Proposition 65

 **WARNING:** This product can expose you to chemicals including Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Ethylene oxide (75-21-8)	X	X	X	X
<b>Ethylene oxide (75-21-8)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List				
U.S. - Pennsylvania - RTK (Right to Know) List				
U.S. - Massachusetts - Right To Know List				
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances				
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List				
<b>1,2-Propanediol (57-55-6)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List				
U.S. - Pennsylvania - RTK (Right to Know) List				
<b>Benzyl acetate (140-11-4)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>Disodium tetraborate pentahydrate (12179-04-3)</b>				
U.S. - Massachusetts - Right To Know List				

## Canadian Regulations

<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>3(2H)-Isothiazolone, 2-methyl- (2682-20-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Alcohols, C12-13, ethoxylated (66455-14-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethylene oxide (75-21-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Alcohols, C10-16, ethoxylated (68002-97-1)</b>

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Listed on the Canadian DSL (Domestic Substances List)
<b>1,2-Propanediol (57-55-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Alcohols, C12-15, ethoxylated (68131-39-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Octanal, 2-(phenylmethylene)- (101-86-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>D-Limonene (5989-27-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Benzyl acetate (140-11-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Citral (5392-40-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Alcohols, C12-16, ethoxylated (68551-12-2)</b>
Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 02/11/2025

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.  
This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### GHS Full Text Phrases:

H220	Extremely flammable gas
H226	Flammable liquid and vapor
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled

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H335	May cause respiratory irritation
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

## Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU\_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC\_RAR: European Commission Renewal Assessment Report

EC\_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA\_API: European Chemicals Agency API

ECHA\_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA\_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA\_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA\_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA\_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU\_CLH: European Union Harmonised Classification and Labelling Proposal

EU\_RAR: European Union Risk Assessment Report

FOOD\_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCLID: International Uniform Chemical Information Database

JAPAN\_GHS: Japan GHS Basis for Classification Data

JP\_J-CHECK: Japan J-Check

KR\_NIER: South Korea National Institute of Environmental Research Evaluations  
NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM\_CIP: National Library of Medicine ChemID plus database

NLM\_HSDB: National Library of Medicine Hazardous Substance Data Bank

NLM\_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ\_CCID: New Zealand Chemical Classification and Information Database

OECD\_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD\_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

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