Arm & Hammer™ plus OxiClean™ Fade Defense™ Sparkling Waters (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).

Revision Date: 2/11/2025 Date of Issue: 10/29/2018 Supersedes Date: 8/18/2022 Version: 3.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Arm & Hammer™ plus OxiClean™ Fade Defense™ Sparkling Waters (NA GHS 2015)

Product Code: 42015535, 42017299

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

Company

Church and Dwight Canada Corp.
5485 Ferrier
Montreal, Qc, H4P 1M6
www.churchdwight.ca
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) :

GHS05 GHS07 GHS08

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.
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	< 6.31	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	≤ 6.15	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	≤ 6.15	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	5.4 - 6	Skin Irrit. 2, H315 Eye Dam. 1, H318
Ethanolamine	(CAS-No.) 141-43-5	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 1, H370 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Citric acid	(CAS-No.) 77-92-9	1 - 5	Eye Irrit. 2, H319 STOT SE 3, H335 Comb. Dust

Disodium tetraborate pentahydrate	(CAS-No.) 12179-04-3	0.1 - 1	Eye Irrit. 2A, H319 Repr. 1B, H360
Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts	(CAS-No.) 68081-81-2	< 0.9	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
1,2-Propanediol	(CAS-No.) 57-55-6	0.1 - 1	Not classified.
Diethanolamine	(CAS-No.) 111-42-2	< 0.1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 1B, H350 Repr. 2, H361 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Sulfuric acid	(CAS-No.) 7664-93-9	< 0.1	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402
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
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
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
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

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: 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: Rinse cautiously 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. Suspected of damaging the unborn child.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an allergic skin reaction. 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, dry chemical, foam, carbon dioxide. Water spray, fog, carbon dioxide (CO_2), 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 flammable. 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_2). Nitrogen oxides. Nitrous gases.

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.

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 immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

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.

Ethanolamine (141-43-5)		
USA ACGIH	ACGIH OEL TWA	3 ppm
USA ACGIH	ACGIH OEL STEL	6 ppm
USA OSHA	OSHA PEL TWA	6 mg/m³
USA OSHA	OSHA PEL TWA	3 ppm
USA NIOSH	NIOSH REL (TWA)	8 mg/m³
USA NIOSH	NIOSH REL (TWA)	3 ppm
USA NIOSH	NIOSH REL (STEL)	15 mg/m³
USA NIOSH	NIOSH REL (STEL)	6 ppm
USA IDLH	IDLH	30 ppm
Alberta	OEL STEL	15 mg/m³
Alberta	OEL STEL	6 ppm
Alberta	OEL TWA	7.5 mg/m³
Alberta	OEL TWA	3 ppm
British Columbia	OEL STEL	6 ppm
British Columbia	OEL TWA	3 ppm
Manitoba	OEL STEL	6 ppm
Manitoba	OEL TWA	3 ppm
New Brunswick	OEL STEL	6 ppm
New Brunswick	OEL TWA	3 ppm
Newfoundland & Labrador	OEL STEL	6 ppm
Newfoundland & Labrador	OEL TWA	3 ppm

Nova Scotia	OEL STEL	6 ppm
Nova Scotia	OEL TWA	3 ppm
Nunavut	OEL STEL	6 ppm
Nunavut	OEL TWA	3 ppm
Northwest Territories	OEL STEL	6 ppm
Northwest Territories	OEL TWA	3 ppm
Ontario	OEL TWAEV	6 ppm
Ontario	OEL TWAEV	3 ppm
Prince Edward Island	OEL STEL	6 ppm
Prince Edward Island	OEL TWA	3 ppm
Québec	VECD (OEL STEV)	15 mg/m³
Québec	VECD (OEL STEV)	6 ppm
Québec	VEMP (OEL TWAEV)	7.5 mg/m³
Québec	VEMP (OEL TWAEV)	3 ppm
Saskatchewan	OEL STEL	6 ppm
Saskatchewan	OEL TWA	3 ppm
Yukon	OEL STEL	12 mg/m³
Yukon	OEL STEL	6 ppm
Yukon	OEL TWA	6 mg/m³
Yukon	OEL TWA	3 ppm

1,2-Propanediol (57-55-6)		
USA AIHA	WEEL TWA	10 mg/m³
Ontario	OEL TWAEV	10 mg/m³ (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present-aerosol only) 155 mg/m³ (aerosol and vapor)
Ontario	OEL TWAEV	50 ppm (aerosol and vapor)

Subtilisin (9014-01-1)		
USA ACGIH	ACGIH OEL Ceiling	0.00006 mg/m³ (Subtilisins)
USA NIOSH	NIOSH REL (STEL)	0.00006 mg/m³ (Subtilisins)
Alberta	OEL C	0.00006 mg/m³
British Columbia	OEL C	0.00006 mg/m³
Manitoba	OEL C	0.00006 mg/m³ (Subtilisins)
New Brunswick	OEL C	0.00006 mg/m³ (Subtilisins)
Newfoundland & Labrador	OEL C	0.00006 mg/m³ (Subtilisins)
Nova Scotia	OEL C	0.00006 mg/m³ (Subtilisins)
Nunavut	OEL C	0.00006 mg/m³
Northwest Territories	OEL C	0.00006 mg/m³
Ontario	OEL C	0.00006 mg/m³
Prince Edward Island	OEL C	0.00006 mg/m³ (Subtilisins)
Québec	Plafond (OEL C)	0.00006 mg/m³ (Proteolytic enzymes)
Saskatchewan	OEL C	0.00006 mg/m³
Yukon	OEL C	0.00006 mg/m³ (Proteolytic enzymes)

D-Limonene (5989-27-5)		
USA AIHA	WEEL TWA	30 ppm

Diethanolamine (111-42-2)		
USA ACGIH	ACGIH OEL TWA	1 mg/m³ (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route

USA NIOSH	NIOSH REL (TWA)	15 mg/m³
USA NIOSH	NIOSH REL (TWA)	3 ppm
Alberta	OEL TWA	2 mg/m³
British Columbia	OEL TWA	2 mg/m³
Manitoba	OEL TWA	1 mg/m³ (inhalable fraction and vapor)
New Brunswick	OEL TWA	1 mg/m³ (inhalable fraction and vapor)
Newfoundland & Labrador	OEL TWA	1 mg/m³ (inhalable fraction and vapor)
Nova Scotia	OEL TWA	1 mg/m³ (inhalable fraction and vapor)
Nunavut	OEL STEL	4 mg/m³
Nunavut	OEL TWA	2 mg/m³
Northwest Territories	OEL STEL	4 mg/m³
Northwest Territories	OEL TWA	2 mg/m³
Ontario	OEL TWAEV	1 mg/m³ (inhalable fraction and vapor)
Prince Edward Island	OEL TWA	1 mg/m³ (inhalable fraction and vapor)
Québec	VEMP (OEL TWAEV)	1 mg/m³ (inhalable fraction and vapour)
Saskatchewan	OEL STEL	4 mg/m³
Saskatchewan	OEL TWA	2 mg/m³

Sulfuric acid (7664-93-9)		
USA ACGIH	ACGIH OEL TWA	0.2 mg/m³ (thoracic particulate matter)
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen contained in strong inorganic acid mists
USA OSHA	OSHA PEL TWA	1 mg/m³
USA NIOSH	NIOSH REL (TWA)	1 mg/m³
USA IDLH	IDLH	15 mg/m³
Alberta	OEL STEL	3 mg/m³
Alberta	OEL TWA	1 mg/m³
British Columbia	OEL TWA	0.2 mg/m³ (contained in strong inorganic acid mists-thoracic)
Manitoba	OEL TWA	0.2 mg/m³ (thoracic particulate matter)
New Brunswick	OEL TWA	0.2 mg/m³ (thoracic fraction)
Newfoundland & Labrador	OEL TWA	0.2 mg/m³ (thoracic particulate matter)
Nova Scotia	OEL TWA	0.2 mg/m³ (thoracic particulate matter)
Nunavut	OEL STEL	0.6 mg/m³ (thoracic fraction)
Nunavut	OEL TWA	0.2 mg/m³ (thoracic fraction)
Northwest Territories	OEL STEL	0.6 mg/m³ (thoracic fraction, strong acid mists only)
Northwest Territories	OEL TWA	0.2 mg/m³ (thoracic fraction, strong acid mists only)
Ontario	OEL TWAEV	0.2 mg/m³ (thoracic particulate matter)
Prince Edward Island	OEL TWA	0.2 mg/m³ (thoracic particulate matter)
Québec	VECD (OEL STEV)	3 mg/m³
Québec	VEMP (OEL TWAEV)	1 mg/m³
Saskatchewan	OEL STEL	0.6 mg/m³ (strong acid mists only, thoracic fraction)
Saskatchewan	OEL TWA	0.2 mg/m³ (strong acid mists only, thoracic fraction)
Yukon	OEL STEL	1 mg/m³
Yukon	OEL TWA	1 mg/m³

Disodium tetraborate pentahydrate (12179-04-3)		
USA ACGIH	ACGIH OEL TWA	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
USA ACGIH	ACGIH OEL STEL	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen

USA NIOSH	NIOSH REL (TWA)	1 mg/m³
Alberta	OEL STEL	3 ppm (Borates, tetra, sodium salts)
Alberta	OEL TWA	1 mg/m³ (Borates, tetra, sodium salts)
British Columbia	OEL STEL	6 mg/m³ (inhalable (Borate compounds, inorganic)
British Columbia	OEL TWA	2 mg/m³ (inhalable (Borate compounds, inorganic)
Manitoba	OEL STEL	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Manitoba	OEL TWA	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
New Brunswick	OEL STEL	6 mg/m³ (inhalable fraction (Borate compounds, inorganic)
New Brunswick	OEL TWA	2 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Newfoundland & Labrador	OEL STEL	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Newfoundland & Labrador	OEL TWA	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Nova Scotia	OEL STEL	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Nova Scotia	OEL TWA	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Nunavut	OEL STEL	6 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Nunavut	OEL TWA	2 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Northwest Territories	OEL STEL	6 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Northwest Territories	OEL TWA	2 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Ontario	OEL TWAEV	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Ontario	OEL TWAEV	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Prince Edward Island	OEL STEL	6 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Prince Edward Island	OEL TWA	2 mg/m³ (inhalable particulate matter (Borate compounds, inorganic)
Québec	VECD (OEL STEV)	6 mg/m³ (inhalable dust (Borate, inorganic compounds)
Québec	VEMP (OEL TWAEV)	2 mg/m³ (inhalable dust (Borate, inorganic compounds)
Saskatchewan	OEL STEL	6 mg/m³ (inhalable fraction (Borate compounds, inorganic)
Saskatchewan	OEL TWA	2 mg/m³ (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.

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
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	:	1.037 - 1.047
Solubility	:	Water: Complete
Partition Coefficient: N-Octanol/Water	:	No data available
Viscosity	:	250 – 1500 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:

None expected under normal conditions of use.

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. 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.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Citric acid (77-92-9)	
LD50 Oral Rat	3 g/kg (Source: NLM_CIP)
LD50 Dermal Rat	> 2000 mg/kg (Source: EU_CLH)
ATE US/CA (oral)	3,000.00 mg/kg body weight

Ethanolamine (141-43-5)	
LD50 Oral Rat	1720 mg/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	1025 mg/kg
LC50 Inhalation Rat	> 1487 mg/m³ (Exposure time: 6 h)
ATE US/CA (dermal)	1,025.00 mg/kg body weight
ATE US/CA (gas)	4,500.00 ppmV/4h
ATE US/CA (vapors)	11.00 mg/l/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
LD50 Oral Rat	1020 mg/kg (Source: NZ_CCID)
LD50 Dermal Rat	> 2000 mg/kg (Source: ECHA_API)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
LD50 Oral Rat	120 mg/kg (Source: EU_CLH)
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0.11 mg/l/4h
ATE US/CA (dermal)	242.00 mg/kg body weight
ATE US/CA (vapors)	0.11 mg/l/4h
ATE US/CA (dust, mist)	0.11 mg/l/4h

1,2-Propanediol (57-55-6)	
LD50 Oral Rat	20 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	20800 mg/kg (Source: NLM_CIP)
ATE US/CA (oral)	20,000.00 mg/kg body weight
ATE US/CA (dermal)	20,800.00 mg/kg body weight

Subtilisin (9014-01-1)	
LD50 Oral Rat	1800 mg/kg (Species: Wistar)
LC50 Inhalation Rat	0.0177 mg/l/4h

D-Limonene (5989-27-5)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 5 g/kg (Source: CHEMVIEW)

Alcohols, C10-16, ethoxylated (68002-97-1)	
ATE US/CA (oral)	500.00 mg/kg body weight

Alcohols, C12-15, ethoxylated (68131-39-5)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

Diethanolamine (111-42-2)	
LD50 Oral Rat	1820 mg/kg
LD50 Dermal Rabbit	11.9 ml/kg (Source: NLM_HSDB)
ATE US/CA (dermal)	12,982.90 mg/kg body weight

Sulfuric acid (7664-93-9)	
LD50 Oral Rat	2140 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	0.375 mg/l/4h
ATE US/CA (vapors)	0.38 mg/l/4h
ATE US/CA (dust, mist)	0.38 mg/l/4h

Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)	
ATE US/CA (oral)	1,080.00 mg/kg body weight

Disodium tetraborate pentahydrate (12179-04-3)	
LD50 Oral Rat	2403 mg/kg (Source: NZ_CCID)

D-Limonene (5989-27-5)	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

Diethanolamine (111-42-2)	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Sulfuric acid (7664-93-9)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)	
EC50 - Crustacea [1]	3.43 g/l (Exposure 48 Hr: Species - Ceriodaphnia dubia (Water flea))

Citric acid (77-92-9)	
LC50 Fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: OECD_SIDS)

Ethanolamine (141-43-5)	
LC50 Fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: IUCLID)
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
ErC50 algae	2.5 mg/l
NOEC Chronic Crustacea	0.85 mg/l (Daphnia)

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
EC50 - Crustacea [1]	0.99 mg/l

1,2-Propanediol (57-55-6)	
LC50 Fish 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
EC50 - Crustacea [1]	10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)
LC50 Fish 2	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)

EC50 - Crustacea [2]	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	1000 mg/l
NOEC Chronic Algae	1000 mg/l

Subtilisin (9014-01-1)	
LC50 Fish 1	14.6 mg/l
EC50 - Crustacea [1]	0.306 mg/l
ErC50 algae	0.513 (0.513 – 1.48) mg/l
NOEC Chronic Fish	0.024 mg/l
NOEC Chronic Crustacea	0.324 mg/l

D-Limonene (5989-27-5)	
LC50 Fish 1	0.619 (0.619 – 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.421 mg/l
LC50 Fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)

Alcohols, C10-16, ethoxylated (68002-97-1)	
LC50 Fish 1	> 1 mg/l
EC50 - Crustacea [1]	0.238 mg/l
ErC50 algae	0.254 mg/l
NOEC Chronic Fish	> 0.1 mg/l
NOEC Chronic Algae	0.077 mg/l

Alcohols, C12-15, ethoxylated (68131-39-5)	
LC50 Fish 1	> 1 – 10 mg/l
EC50 - Crustacea [1]	> 1 – 10 mg/l
ErC50 algae	> 1 – 100 mg/l
NOEC Chronic Fish	> 0.1 mg/l
NOEC Chronic Crustacea	> 0.1 mg/l
NOEC Chronic Algae	> 100 mg/l

Diethanolamine (111-42-2)	
LC50 Fish 1	4460 (4460 – 4980) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	55 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1200 (1200 – 1580) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	2.1 (2.1 – 2.3) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
ErC50 algae	2.2 mg/l (Exposure time: 96 h - Species: Pseudokirchnerella subcapitata [Static])
NOEC Chronic Crustacea	0.78 mg/l

Sulfuric acid (7664-93-9)	
LC50 Fish 1	500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 - Crustacea [1]	29 mg/l
LC50 Fish 2	42 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static])

Alcohols, C12-16, ethoxylated (68551-12-2)	
LC50 Fish 1	> 1 mg/l
NOEC Chronic Fish	> 0.1

Persistence and Degradability

Arm & Hammer™ plus OxiClean™ Fade Defense™ Sparkling Waters (NA GHS 2015)	
Persistence and Degradability	Not established.

Citric acid (77-92-9)	
Persistence and Degradability	Readily biodegradable in water.

Bioaccumulative Potential

Arm & Hammer™ plus OxiClean™ Fade Defense™ Sparkling Waters (NA GHS 2015)

Bioaccumulative Potential	Not established.
Citric acid (77-92-9)	
Log POW	-1.72 (at 20 °C)
Ethanolamine (141-43-5)	
Log POW	-2.3 (at 25 °C (at pH 6.8-7.3)
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
Log POW	0.99 (at 20 °C (at pH 5)
3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
Log POW	-0.26 (at 20 °C (at pH 5)
1,2-Propanediol (57-55-6)	
BCF Fish 1	(1 dimensionless)
Log POW	-0.92
Subtilisin (9014-01-1)	
Log POW	-3.1 (at 25 °C (at pH 9.2)
D-Limonene (5989-27-5)	
Log POW	4.38 (at 37 °C (at pH 7.2)
Diethanolamine (111-42-2)	
BCF Fish 1	(no significant bioconcentration)
Log POW	-2.46 (at 25 °C (at pH 6.8-7.3)
Sulfuric acid (7664-93-9)	
BCF Fish 1	(no bioaccumulation)

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.

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™ plus OxiClean™ Fade Defense™ Sparkling Waters (NA GHS 2015)	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)

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)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Citric acid (77-92-9)

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)

Ethanolamine (141-43-5)

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)
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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)

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

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 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)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

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)
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)

EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.

1,2-Propanediol (57-55-6)

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)

Subtilisin (9014-01-1)

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)	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

D-Limonene (5989-27-5)

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)

Alcohols, C10-16, ethoxylated (68002-97-1)

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)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Alcohols, C12-15, ethoxylated (68131-39-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the 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)	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Diethanolamine (111-42-2)	
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) 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 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)	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	1 %

Sulfuric acid (7664-93-9)	
Listed on IARC (International Agency for Research on Cancer) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on the Canadian DSL (Domestic Substances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Japanese Poisonous and Deleterious Substances Control Law Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313 Listed on the Canadian IDL (Ingredient Disclosure List) Disclosure at 1 %	
CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb
SARA Section 313 - Emission Reporting	1 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)
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)

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)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

Alcohols, C12-16, ethoxylated (68551-12-2)

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)

EPA TSCA Regulatory Flag	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 Diethanolamine, which is known to the State of California to cause cancer, and Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Diethanolamine (111-42-2)	X			
Sulfuric acid (7664-93-9)	X			

Ethanolamine (141-43-5)

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

1,2-Propanediol (57-55-6)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Diethanolamine (111-42-2)

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) - Environmental Hazard List

Sulfuric acid (7664-93-9)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Disodium tetraborate pentahydrate (12179-04-3)

U.S. - Massachusetts - Right To Know List

Canadian Regulations

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts (68585-34-2)

Listed on the Canadian DSL (Domestic Substances List)

Citric acid (77-92-9)

Listed on the Canadian DSL (Domestic Substances List)

Ethanolamine (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

Listed on the Canadian DSL (Domestic Substances List)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

Listed on the Canadian DSL (Domestic Substances List)

1,2-Propanediol (57-55-6)

Listed on the Canadian DSL (Domestic Substances List)

D-Limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C10-16, ethoxylated (68002-97-1)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C12-15, ethoxylated (68131-39-5)

Listed on the Canadian DSL (Domestic Substances List)

Diethanolamine (111-42-2)

Listed on the Canadian DSL (Domestic Substances List)

Sulfuric acid (7664-93-9)

Listed on the Canadian DSL (Domestic Substances List)

Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts (68081-81-2)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C12-16, ethoxylated (68551-12-2)

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:

H226	Flammable liquid and vapor
H227	Combustible liquid
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful 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
H332	Harmful if inhaled
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause 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
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

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_HPV: 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
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

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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