



# Viviscal™ Thickening Shampoo (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: 08.11.2023 Date of Issue: 20.07.2022

Version: 2.0

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** Viviscal™ Thickening Shampoo (NA GHS 2015)

**Product Code:** 10526:09, 42015326, 42017038

**Synonyms:** Viviscal™ Pro Shampoo, Viviscal™ Pro Thickening Shampoo

#### Intended Use of the Product

Shampoo

#### 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**

Serious eye damage/eye irritation Category 1	H318
Skin sensitization, Category 1	H317
Hazardous to the aquatic environment – Acute Hazard Category 3	H402
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411

#### Label Elements

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

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



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

: Danger

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

: H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H402 - Harmful to aquatic life.  
H411 - Toxic to aquatic life with long lasting effects.

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

: P261 - Avoid breathing vapors, mist, or spray.  
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

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contact lenses, if present and easy to do. Continue rinsing.

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.

P391 - Collect spillage.

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
Ammonium lauryl sulfate	(CAS-No.) 2235-54-3	3 – 7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts	(CAS-No.) 61789-40-0	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-No.) 68515-73-1	0.5 – 1.5	Eye Dam. 1, H318 Aquatic Acute 3, H402
1,2,3-Propanetriol	(CAS-No.) 56-81-5	0.5 – 1.5	Not classified
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	(CAS-No.) 110615-47-9	0.1 - 1	Skin Irrit. 2, H315 Eye Dam. 1, H318
1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1)	(CAS-No.) 68890-66-4	0.1 - 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Acute 2, H401
Ethoxylated lauryl alcohol	(CAS-No.) 9002-92-0	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
D-Limonene	(CAS-No.) 5989-27-5	0.008 – 0.04	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.alpha.-Pinene	(CAS-No.) 80-56-8	0.0008 – 0.008	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.beta.-Pinene	(CAS-No.) 127-91-3	< 0.0008	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317

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			Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-	(CAS-No.) 13466-78-9	< 0.0008	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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:** 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 serious eye damage.

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

**Skin Contact:** May cause an allergic skin reaction.

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

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

**Chronic Symptoms:** May cause an allergic skin reaction.

### 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.

**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.

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### 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. Collect spillage.

### 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)

Shampoo

## 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.

1,2,3-Propanetriol (56-81-5)		
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m <sup>3</sup> (mist, total particulate) 5 mg/m <sup>3</sup> (mist, respirable fraction)
Alberta	OEL TWA	10 mg/m <sup>3</sup> (mist)
British Columbia	OEL TWA	10 mg/m <sup>3</sup> (mist, total) 3 mg/m <sup>3</sup> (mist-respirable)
Nunavut	OEL STEL	20 mg/m <sup>3</sup> (mist)
Nunavut	OEL TWA	10 mg/m <sup>3</sup> (mist)
Northwest Territories	OEL STEL	20 mg/m <sup>3</sup> (mist)
Northwest Territories	OEL TWA	10 mg/m <sup>3</sup> (mist)
Québec	VEMP (OEL TWA/EV)	10 mg/m <sup>3</sup> (mist)
Saskatchewan	OEL STEL	20 mg/m <sup>3</sup> (mist)
Saskatchewan	OEL TWA	10 mg/m <sup>3</sup> (mist)
Yukon	OEL TWA	30 mppcf (mist) 10 mg/m <sup>3</sup> (mist)
D-Limonene (5989-27-5)		
USA AIHA	WEEL TWA [ppm]	30 ppm
.alpha.-Pinene (80-56-8)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)

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<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen,dermal sensitizer
<b>Alberta</b>	OEL TWA	111 mg/m <sup>3</sup> (Turpentine and selected monoterpenes)
<b>Alberta</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>British Columbia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Manitoba</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>New Brunswick</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Newfoundland &amp; Labrador</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nova Scotia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Northwest Territories</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Northwest Territories</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Ontario</b>	OEL TWA	20 ppm (Turpentine and selected monomers)
<b>Prince Edward Island</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Québec</b>	VEMP (OEL TWAEV)	112 mg/m <sup>3</sup> (Turpentine and certain monoterpenes)
<b>Québec</b>	VEMP (OEL TWAEV)	20 ppm (Turpentine and certain monoterpenes)
<b>Saskatchewan</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Saskatchewan</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>.beta.-Pinene (127-91-3)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen,dermal sensitizer
<b>Alberta</b>	OEL TWA	111 mg/m <sup>3</sup> (Turpentine and selected monoterpenes)
<b>Alberta</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>British Columbia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Manitoba</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>New Brunswick</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Newfoundland &amp; Labrador</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nova Scotia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Northwest Territories</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Northwest Territories</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Ontario</b>	OEL TWA	20 ppm (Turpentine and selected monomers)
<b>Prince Edward Island</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Québec</b>	VEMP (OEL TWAEV)	112 mg/m <sup>3</sup> (Turpentine and certain monoterpenes)
<b>Québec</b>	VEMP (OEL TWAEV)	20 ppm (Turpentine and certain monoterpenes)
<b>Saskatchewan</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Saskatchewan</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (13466-78-9)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	20 ppm (Turpentine and selected Monoterpenes)
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen,dermal sensitizer
<b>Alberta</b>	OEL TWA	111 mg/m <sup>3</sup> (Turpentine and selected monoterpenes)
<b>Alberta</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>British Columbia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Manitoba</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>New Brunswick</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Newfoundland &amp; Labrador</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nova Scotia</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
<b>Nunavut</b>	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
<b>Northwest Territories</b>	OEL STEL	30 ppm (Turpentine and selected monoterpenes)

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Northwest Territories	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Ontario	OEL TWA	20 ppm (Turpentine and selected monomers)
Prince Edward Island	OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Québec	VEMP (OEL TWAEV)	112 mg/m <sup>3</sup> (Turpentine and certain monoterpenes)
Québec	VEMP (OEL TWAEV)	20 ppm (Turpentine and certain monoterpenes)
Saskatchewan	OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Saskatchewan	OEL TWA	20 ppm (Turpentine and selected monoterpenes)

### Exposure Controls

**Appropriate Engineering Controls:** 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	: Viscous off-white
Odor	: No data available
Odor Threshold	: No data available
pH	: 4,8 – 5,3
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	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity:

Hazardous reactions will not occur under normal conditions.

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### **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:** Not classified

**pH:** 4,8 – 5,3

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

**pH:** 4,8 – 5,3

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

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

**Reproductive Toxicity:** Not classified

**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.

**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 cause an allergic skin reaction.

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

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

<b>Ammonium lauryl sulfate (2235-54-3)</b>	
<b>LD50 Oral Rat</b>	4700 mg/kg (Source: NZ_CCID)
<b>ATE US/CA (oral)</b>	500,00 mg/kg body weight
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b>	
<b>LD50 Oral Rat</b>	> 10000 mg/kg (Source: OECD_SIDS)
<b>LD50 Dermal Rabbit</b>	> 2000 mg/kg (Source: CHEMVIEW)
<b>D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)</b>	
<b>LD50 Oral Rat</b>	> 2000 mg/kg
<b>LD50 Dermal Rabbit</b>	> 2000 mg/kg
<b>1,2,3-Propanetriol (56-81-5)</b>	
<b>LD50 Oral Rat</b>	12600 mg/kg (Source: NLM_CIP)
<b>LD50 Dermal Rabbit</b>	> 10 g/kg (Source: NLM_CIP)
<b>LC50 Inhalation Rat</b>	> 2,75 mg/l/4h (No mortalities)
<b>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)</b>	
<b>LD50 Dermal Rabbit</b>	> 2000 mg/kg (Source: ECHA_API)
<b>1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1) (68890-66-4)</b>	
<b>LD50 Oral Rat</b>	8100 mg/kg

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LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 4,9 mg/l/4h
ATE US/CA (dust, mist)	1,50 mg/l/4h
<b>Ethoxylated lauryl alcohol (9002-92-0)</b>	
LD50 Oral Rat	1 g/kg (Source: NLM_CIP)
LD50 Dermal Rat	> 2000 mg/kg (Source: ECHA_API)
<b>D-Limonene (5989-27-5)</b>	
LD50 Oral Rat	4400 mg/kg (Source: CHEMVIEW)
LD50 Dermal Rabbit	> 5 g/kg (Source: CHEMVIEW)
<b>.alpha.-Pinene (80-56-8)</b>	
LD50 Oral Rat	> 500 mg/kg
LD50 Dermal Rat	> 5000 mg/kg (Source: CHEMVIEW)
<b>.beta.-Pinene (127-91-3)</b>	
LD50 Oral Rat	> 5000 mg/kg (Source: EPA_HP)
LD50 Dermal Rabbit	> 5000 mg/kg (Source: CHEMVIEW)
<b>Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (13466-78-9)</b>	
LD50 Oral Rat	4800 mg/kg (Source: NLM_CIP)
<b>D-Limonene (5989-27-5)</b>	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

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

<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b>	
LC50 Fish 1	1 – 10 mg/l (Exposure time: 96 h - Species: Brachydanio rerio Source: IUCLID)
EC50 - Crustacea [1]	6,5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static] Source: IUCLID)
ErC50 algae	1,3 mg/l
<b>D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)</b>	
LC50 Fish 1	100,81 mg/l
EC50 - Crustacea [1]	31,62 mg/l
ErC50 algae	27,22 mg/l
<b>1,2,3-Propanetriol (56-81-5)</b>	
LC50 Fish 1	54000 (51000 – 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
<b>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)</b>	
LC50 Fish 1	2,95 mg/l (Exposure time 96 h - Species: Brachydanio rerio [semi-static])
<b>1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1) (68890-66-4)</b>	
LC50 Fish 1	1,89 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
<b>Ethoxylated lauryl alcohol (9002-92-0)</b>	
ErC50 algae	0,237 mg/l
NOEC Chronic Algae	0,07383 mg/l
<b>D-Limonene (5989-27-5)</b>	
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)
<b>.alpha.-Pinene (80-56-8)</b>	
LC50 Fish 1	0,28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)



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<b>.beta.-Pinene (127-91-3)</b>	
<b>LC50 Fish 1</b>	0,5 mg/l
<b>Persistence and Degradability</b>	
<b>Viviscal™ Thickening Shampoo (NA GHS 2015)</b>	
<b>Persistence and Degradability</b>	May cause long-term adverse effects in the environment.
<b>Bioaccumulative Potential</b>	
<b>Viviscal™ Thickening Shampoo (NA GHS 2015)</b>	
<b>Bioaccumulative Potential</b>	Not established.
<b>1,2,3-Propanetriol (56-81-5)</b>	
<b>BCF Fish 1</b>	(no bioaccumulation)
<b>Log POW</b>	-1,75 (at 25 °C (at pH 7.4))
<b>1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1) (68890-66-4)</b>	
<b>Log POW</b>	3,86 (at 20.5 °C (at pH 4))
<b>Ethoxylated lauryl alcohol (9002-92-0)</b>	
<b>Log POW</b>	1,937 (at 23 °C (at pH 5.27))
<b>D-Limonene (5989-27-5)</b>	
<b>Log POW</b>	4,38 (at 37 °C (at pH 7.2))
<b>.alpha.-Pinene (80-56-8)</b>	
<b>Log POW</b>	4,1
<b>Mobility in Soil</b>	
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)</b>	
<b>Organic Carbon Normalized Adsorption Coefficient (Log Koc)</b>	2,8

### 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

<b>Proper Shipping Name</b>	: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : D-Limonene ; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts ; Ethoxylated lauryl alcohol)
<b>Hazard Class</b>	: 9
<b>Identification Number</b>	: UN3082
<b>Label Codes</b>	: 9
<b>Packing Group</b>	: III
<b>Marine Pollutant</b>	: Marine pollutant
<b>ERG Number</b>	: 171



### In Accordance with IMDG

<b>Proper Shipping Name</b>	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS : D-Limonene ; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts ; Ethoxylated lauryl alcohol)
<b>Hazard Class</b>	: 9
<b>Identification Number</b>	: UN3082
<b>Label Codes</b>	: 9



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**Packing Group** : III  
**EmS-No. (Fire)** : F-A  
**EmS-No. (Spillage)** : S-F  
**Marine pollutant** : Marine pollutant

### In Accordance with IATA

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS : D-Limonene ; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts ; Ethoxylated lauryl alcohol)

**Hazard Class** : 9  
**Identification Number** : UN3082  
**Label Codes** : 9

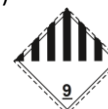


**Packing Group** : III  
**ERG Code (IATA)** : 9L

### In Accordance with TDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS : D-Limonene ; 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts ; Ethoxylated lauryl alcohol)

**Hazard Class** : 9  
**Identification Number** : UN3082  
**Label Codes** : 9



**Packing Group** : III  
**Marine Pollutant (TDG)** : Marine pollutant

## SECTION 15: REGULATORY INFORMATION

### US Federal and International Regulations

Viviscal™ Thickening Shampoo (NA GHS 2015)	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Serious eye damage or eye irritation
Ammonium lauryl sulfate (2235-54-3)	
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 the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)	
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 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 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>D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)</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)	
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>1,2,3-Propanetriol (56-81-5)</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>D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Listed on the Canadian DSL (Domestic Substances 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 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>	<p>FRI - FRI - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.</p> <p>PMN - PMN - indicates a commenced PMN substance.</p>
<b>1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1) (68890-66-4)</b>	
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)	

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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)

### Ethoxylated lauryl alcohol (9002-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure 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).

### 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)

### .alpha.-Pinene (80-56-8)

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)

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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)

### **.beta.-Pinene (127-91-3)**

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)

### **Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (13466-78-9)**

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 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 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)

## **US State Regulations**

### **1,2,3-Propanetriol (56-81-5)**

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

### **.alpha.-Pinene (80-56-8)**

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

## **Canadian Regulations**

### **Ammonium lauryl sulfate (2235-54-3)**

Listed on the Canadian DSL (Domestic Substances List)

### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)**

Listed on the Canadian DSL (Domestic Substances List)

### **D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)**

Listed on the Canadian DSL (Domestic Substances List)

### **1,2,3-Propanetriol (56-81-5)**

Listed on the Canadian DSL (Domestic Substances List)

### **D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)**

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Listed on the Canadian DSL (Domestic Substances List)
<b>1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1) (68890-66-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethoxylated lauryl alcohol (9002-92-0)</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>.alpha.-Pinene (80-56-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>.beta.-Pinene (127-91-3)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl- (13466-78-9)</b>
Listed on the Canadian DSL (Domestic Substances List)

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

<b>Date of Preparation or Latest Revision</b>	: 11/08/2023
<b>Other Information</b>	: 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
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
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

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

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ECHA\_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

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\_HPVL: 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

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.*

Church&Dwight NA GHS SDS 2015