

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).

Date of Issue: 11/20/2019 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: PERMAGUARD™ MAX Part B

1.2. Intended Use of the Product

Floor Coating

1.3. Name, Address, and Telephone of the Responsible Party

Company

LATICRETE International LATICRETE Canada ULC

1 Laticrete Park, N PO Box 129, Emeryville, Ontario, Canada

Bethany, CT 06524 NOR-1A0

T (203)-393-0010 www.laticrete.com

1.4. Emergency Telephone Number

Emergency Number: For chemical emergency call ChemTel day or night:

(800)255-3924 (North America) (800)-099-0731 (Mexico)

+1 (813)248-0585 (International - collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Acute Tox. 4 (Oral) H302 Skin Corr. 1B H314 Eye Dam. 1 H318 Skin Sens. 1 H317 Repr. 2 H361 Aquatic Acute 2 H401 Aquatic Chronic 2 H411

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



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Signal Word (GHS-US/CA) : Danger

Hazard Statements (GHS-US/CA) : H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eve damage.

H361 - Suspected of damaging fertility or the unborn child.

H401 - Toxic to aquatic life.

H411 - Toxic 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.

P260 - Do not breathe vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

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P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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).

P330 - Rinse mouth.

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.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

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

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Cyclohexanemethanamine, 5-amino-1,3,3-	(CAS-No.) 2855-13-2	25 - 40	Acute Tox. 4 (Oral), H302
trimethyl-			Acute Tox. 4 (Dermal), H312
			Skin Corr. 1B, H314
			Eye Dam. 1, H318
			Skin Sens. 1, H317
			Aquatic Acute 3, H402
			Aquatic Chronic 3, H412
4-tert-Butylphenol	(CAS-No.) 98-54-4	20 - 30	Skin Irrit. 2, H315
			Eye Dam. 1, H318
			Repr. 2, H361
			Aquatic Acute 2, H401
			Aquatic Chronic 2, H411
Benzyl alcohol	(CAS-No.) 100-51-6	15 - 25	Flam. Liq. 4, H227
			Acute Tox. 4 (Oral), H302
			Acute Tox. 4 (Inhalation:dust,mist), H332
			Eye Irrit. 2A, H319
			Aquatic Acute 2, H401
Propylene glycol diamine, 2-amino-, diether	(CAS-No.) 9046-10-0	15 - 25	Skin Corr. 1C, H314
with Propylene			Eye Dam. 1, H318
			Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

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^{*}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%).

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SECTION 4: FIRST AID MEASURES

4.1. 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: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Skin Contact: Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention.

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 emergency medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Causes severe skin burns and eye damage. Harmful if swallowed. Skin sensitization. Suspected of damaging fertility or the unborn child.

Inhalation: May be corrosive to the respiratory tract.

Skin Contact: Causes severe irritation which will progress to chemical burns. May cause an allergic skin reaction.

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

Ingestion: This material is harmful orally and can cause adverse health effects or death in significant amounts. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Suspected of damaging fertility or the unborn child.

4.3. 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

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), 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.

5.2. 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: May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

5.3. 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, CO₂). Nitrogen oxides. Hydrogen cyanide. Phenol. olefins. Ammonia. Nitrous

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

6.1. 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.

6.1.1. For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. 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.

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6.2. Environmental Precautions

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

6.3. 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. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: May release corrosive vapors.

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray. Handle empty containers with care because they may still present a hazard. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

7.2. 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. Store locked up/in a secure area. Store in original container or corrosive resistant and/or lined container.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. May be corrosive to some metals.

7.3. Specific End Use(s)

Floor Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. 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.

governinents.		
Benzyl alcohol (100-51-6)		
USA AIHA	WEEL TWA (ppm)	10 ppm

8.2. 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: Gloves. Protective clothing. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.











Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles and face shield. **Skin and Body Protection:** 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

9.1. Information on Basic Physical and Chemical Properties

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Physical State Liquid **Appearance** Pale amber Odor Amine-like **Odor Threshold** Not available pН Not available **Evaporation Rate** Not available **Melting Point** Not available **Freezing Point** Not available **Boiling Point** 205 °C (401 °F) 104 °C (219.2 °F) Flash Point **Auto-ignition Temperature** Not available **Decomposition Temperature** Not available Flammability (solid, gas) Not applicable **Lower Flammable Limit** Not available **Upper Flammable Limit** Not available **Vapor Pressure** Not available Relative Vapor Density at 20°C Not available Not available **Relative Density Specific Gravity** 0.9955 Not available Solubility Not available Partition Coefficient: N-Octanol/Water Viscosity Not available

SECTION 10: STABILITY AND REACTIVITY

- **10.1. Reactivity:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.
- **10.2.** Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
- **10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- **10.5.** Incompatible Materials: Strong acids, strong bases, strong oxidizers. May be corrosive to some metals.
- **10.6.** Hazardous Decomposition Products: Thermal decomposition generates: Corrosive vapors. Toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Oral: Harmful if swallowed.

Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

PERMAGUARD™ MAX Part B	
ATE US/CA (oral)	1,327.57 mg/kg body weight

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.

Eye Damage/Irritation: Causes serious eye damage.

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: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May be corrosive to the respiratory tract.

Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns. May cause an allergic skin

reaction.

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

Symptoms/Injuries After Ingestion: This material is harmful orally and can cause adverse health effects or death in significant amounts. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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Chronic Symptoms: Suspected of damaging fertility or the unborn child.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)	
LD50 Oral Rat	1030 mg/kg
ATE US/CA (dermal)	1,100.00 mg/kg body weight
4-tert-Butylphenol (98-54-4)	
LD50 Oral Rat	4000 mg/kg
LD50 Dermal Rabbit	2318 mg/kg
Benzyl alcohol (100-51-6)	
LD50 Oral Rat	1230 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LD50 Intravenous Rat	53 mg/kg
LC50 Inhalation Rat	> 4.178 mg/l/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h
Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)	
LD50 Oral Rat	2885 mg/kg (Specoes: Sprague-Dawley)

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)		
EC50 Daphnia 1	14.6 - 21.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [semi-static])	
NOEC Chronic Crustacea	3 mg/l	
4-tert-Butylphenol (98-54-4)		
LC50 Fish 1	4.71 - 5.62 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	3.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
LC50 Fish 2	6.9 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])	
EC50 Daphnia 2	3.4 - 4.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
NOEC Chronic Fish	0.1 mg/l (Species: Pimephales promelas)	
NOEC Chronic Algae	0.32 mg/l	
Benzyl alcohol (100-51-6)		
LC50 Fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)	
LC50 Fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
ErC50 (algae)	770 mg/l	

12.2. Persistence and Degradability

PERMAGUARD™ MAX Part B	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

PERMAGUARD™ MAX Part B			
Bioaccumulative Potential	Not established.		
Cyclohexanemethanamine, 5-amir	Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)		
Log Pow	0.79 (at 23 °C)		
4-tert-Butylphenol (98-54-4)			
BCF Fish 1	34 - 240		
Log Pow	2.44		
Benzyl alcohol (100-51-6)			
Log Pow	1.1		
Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)			
Log Kow	0		

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12.4. Mobility in Soil Not available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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.

14.1. In Accordance with DOT

Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. (Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-,

Propylene glycol diamine, 2-amino-, diether with Propylene)

Hazard Class : 8
Identification Number : UN2735

Label Codes : 8
Packing Group : 11

Marine Pollutant : Marine pollutant

ERG Number : 153

14.2.

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.

Hazard Class : 8
Identification Number : UN2735
Label Codes : 8
Packing Group : II

In Accordance with IMDG

Packing Group: IIEmS-No. (Fire): F-AEmS-No. (Spillage): S-B

Marine pollutant : Marine pollutant

14.3. In Accordance with IATA

Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. (Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-,

Propylene glycol diamine, 2-amino-, diether with Propylene)

Hazard Class : 8

Identification Number : UN2735

Label Codes : 8
Packing Group : II
ERG Code (IATA) : 8L



Proper Shipping Name : AMINES, LIQUID, CORROSIVE, N.O.S. (Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-,

Propylene glycol diamine, 2-amino-, diether with Propylene)

Hazard Class : 8
Identification Number : UN2735
Label Codes : 8

Packing Group : II

Marine Pollutant (TDG) : Marine pollutant



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

PERMAGUARD™ MAX Part B	
SARA Section 311/312 Hazard Classes	Health hazard - Reproductive toxicity
	Health hazard - Respiratory or skin sensitization
	Health hazard - Acute toxicity (any route of exposure)

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	Health hazard - Serious eye damage or eye irritation
	Health hazard - Skin corrosion or Irritation
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
4-tert-Butylphenol (98-54-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Benzyl alcohol (100-51-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Propylene glycol diamine, 2-amino-, diether with Propylene (9	9046-10-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under
	Chemical Data Reporting Rule (formerly the Inventory Update
	Reporting Rule), i.e, Partial Updating of the TSCA Inventory Data
	Base Production and Site Reports (40 CFR 711).

15.2. US State Regulations

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)	
U.S New Jersey - Right to Know Hazardous Substance List	
Benzyl alcohol (100-51-6)	
U.S Massachusetts - Right To Know List	
U.S Pennsylvania - RTK (Right to Know) List	

15.3. Canadian Regulations	
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)	
Listed on the Canadian DSL (Domestic Substances List)	
4-tert-Butylphenol (98-54-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Benzyl alcohol (100-51-6)	
Listed on the Canadian DSL (Domestic Substances List)	
Propylene glycol diamine, 2-amino-, diether with Propylene (9046-10-0)	
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 : 11/20/2019

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.

GHS Full Text Phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2

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Skin Sens. 1	Skin sensitization, Category 1
H227	Combustible liquid
H302	Harmful if swallowed
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
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.

NA GHS SDS 2015 (Can, US)

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