



Fill-Lock TG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: Date of issue: 09/04/2017

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Fill-Lock TG (Part A)

Product Code: 2312 - 10

Intended Use of the Product

General Purpose. For professional use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Emergency Telephone Number

Emergency number : 1-800-762-8225 24 hours

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H314
Skin Sens. 1 H317
Eye Dam. 1 H318
Carc. 2 H351
Tox. Repro.1 H360
Aqua. Chronic 2 H411

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H314-Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318-Causes serious eye damage
H351-Suspected of causing cancer by route of exposure if conclusively proven that no other route applies
H360-May damage fertility or the unborn child by route of exposure if conclusively proven that no other route applies
H411-Toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe vapor.
P261 - Avoid breathing mist, spray, vapors
P264 - Wash hands, forearms, and 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 eye protection, protective gloves

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P281 - Use personal protective equipment as required
P302+P352 - IF ON SKIN: Wash with plenty of soap and 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 attention
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention
P405 - Store locked up.
P501 - Dispose of contents/container according to local, regional, national, and international regulations

Other Hazards

Other Hazards Not Contributing to the Classification: Not available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	(CAS No) 25085-99-8	60-80	
Proprietary ingredient		< 10	
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane	(CAS No) 30499-70-8	< 15	
Titanium Dioxide	(CAS No) 13463-67-7	1-5	

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.

Skin Contact: Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : Causes severe burns. May cause an allergic skin reaction.

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Eye contact : Causes serious eye irritation.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: pain or irritation, watering, redness

Inhalation: Reduced fetal weight, increase in fetal deaths and skeletal malformations

Skin contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur, reduced fetal weight, increase in fetal deaths, skeletal malformations

Ingestion: Adverse symptoms may include the following: stomach pains, reduced fetal weight, increase in fetal deaths, skeletal malformations.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known

Specific hazards arising from the chemical: This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, metal oxide/oxides.

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures :

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved

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alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

United States

Occupational exposure limits

Component	Exposure limits
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	-NONE
Proprietary ingredient 1	-NONE
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl) oxirane	-NONE
Titanium-Titanium dioxide	-ACGIH TLV (United States, 3/2016). -TWA: 10 mg/m ³ 8 hours. -OSHA PEL (United States, 6/2016). -TWA: 15 mg/m ³ 8 hours. Form: Total dust

Canada

Occupational exposure limits

Component	Exposure limits
-Titanium dioxide	-CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 10 mg/m ³ 8 hours. -CA British Columbia Provincial (Canada, 5/2015). -TWA: 3 mg/m ³ 8 hours. Form: Respirable dust -TWA: 10 mg/m ³ 8 hours. Form: Total dust CA Ontario Provincial (Canada, 7/2015). -TWA: 10 mg/m ³ 8 hours. CA Quebec Provincial (Canada, 1/2014). -TWA/EV: 10 mg/m ³ 8 hours. Form: Total dust CA Saskatchewan Provincial (Canada, 7/2013). -STEL: 20 mg/m ³ 15 minutes. -TWA: 10 mg/m ³ 8 hours.

Personal

Appropriate engineering controls: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Solid. [Paste. Viscous.]
Appearance	: White
Odor	: Slightly sweet
Relative Density	: 1.1
V.O.C. Content	: See section 9 of part B
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization will not occur.

Conditions to Avoid: No specific data.

Incompatible Materials: Reactive or incompatible with the following materials: oxidizing materials.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product/ingredient name	Result	Species	Dose
-Proprietary ingredient 1	-LD50 Dermal	Rat	31 g/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
- Proprietary ingredient 1	- Skin - Mild irritant	Rabbit	500 mg

Product/ingredient name	OSHA	IARC	ACGIH
- Titanium dioxide		2B	A4

Carcinogenicity

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

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There is no data available.

Potential acute health effects

Eye Contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye Contact: Adverse symptoms may include the following: pain or irritation, watering, redness

Inhalation: Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations

Skin Contact: Adverse symptoms may include the following: irritation, redness, blistering may occur, reduced fetal weight, increase in fetal deaths, skeletal malformations.

Ingestion: Adverse symptoms may include the following: stomach pains, reduced fetal weight, increase in fetal deaths, skeletal malformations.

Potential chronic health effects

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Teratogenicity: May damage the unborn child.

Fertility Effects: May damage fertility.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
-Titanium dioxide	Acute LC50 >1000000 µg/L Marine water	Fish - Fundulus heteroclitus	96 hours

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
- Proprietary ingredient 1	6.1		high

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG

Proper Shipping Name : UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Hazard Class :

Identification Number :

Packing Group : III

14.3 In Accordance with IATA

Proper Shipping Name : UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Hazard Class :

Identification Number :

Packing Group : III

Additional Information

The limited quantity exception can be used for the transportation of this item. Certain restrictions may apply in regards to sizes and packaging. For further information, refer to the applicable transportation of dangerous goods regulation.

DOT: This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packaging meet the general provisions of §§ 173.24 and 173.24a.

IMDG: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

IATA: The environmentally hazardous substance mark may appear if required by other transportation regulations.

SECTION 15: REGULATORY INFORMATION

Federal Regulations

TSCA 8(a) PAIR: TSCA 8(a) PAIR: Proprietary ingredient 1; Siloxanes and Silicones, di-Me, reaction products with silica.

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

SARA 311/312

Classification:

SKIN CORROSION/IRRITATION - Category 1C

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SKIN SENSITIZATION - Category 1

CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION (Fertility) - Category 1B

TOXIC TO REPRODUCTION (Unborn child) - Category 1B

Composition/information on ingredients

Product/ingredient name	Classification
-Oxirane, 2,2'-[[1-(methylethylidene)bis(4, 1-phenyleneoxymethylene)]bis-, homopolymer	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1
-1,3-Propanediol, 2-(hydroxymethyl)-2-methyl-, polymer with 2-(chloromethyl)oxirane	SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1B TOXIC TO REPRODUCTION (Fertility) - Category 1B TOXIC TO REPRODUCTION (Unborn child) - Category 1B
-Titanium dioxide	CARCINOGENICITY - Category 2

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SARA 313

No data available.

State regulations

New York: None of the components are listed.

New Jersey: The following components are listed: Titanium dioxide.

Pennsylvania: The following components are listed: Titanium dioxide.

Massachusetts: The following components are listed: Glass, oxide, chemicals; Titanium dioxide.

California Prop. 65

WARNING: This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Canada

Canadian lists

Canadian NPRI: None of the components are listed

Canada inventory: All components are listed or exempted.

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

Revision date : 09/4/2018

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225

This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2018 & WHMIS

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SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Fill-Lock SL (Part B)

Product Code: 2310 - 22

Intended Use of the Product

Concrete Repair. For professional use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
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Emergency Telephone Number

Emergency number : 1-800-762-8225 24 hours

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Tox. Oral 4 H302

Skin Irrit. 1B H314

Skin Sens. 1 H317

Tox. Repor. 1 H360

Aqua. Chronic 1 H410

412Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H360 - May damage fertility or the unborn child.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P273 - Avoid release to the environment.
P261 - Avoid breathing dust.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
P391 - Collect spillage.
P308 + P313 - IF exposed or concerned: Get medical attention.
P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.

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P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.
P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.
P333 + P313 - If skin irritation or rash occurs: Get medical attention.
P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or physician.
P405 - Store locked up.
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: Not available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
4-Nonylphenol, Branched	(CAS No) 84852-15-3	4-20	
2-Piperazin-1-Ylethylamine	(CAS No) 140-31-8	10-20	
2,2'-Ethylenedioxydiethyl bis(2-ethylhexanoate)	(CAS No) 94-28-0	4-20	
2,4,6-tris(Dimethylaminomethyl)phenol	(CAS No) 90-72-2	4-10	
Ethanediol	(CAS No) 107-21-1	1-5	
3,6-Diazaoctanethylenediamin	(CAS No) 112-24-3	1-5	
Benzyl alcohol	(CAS No) 100-51-6	1-4	
bis[(Dimethylamino)methyl]phenol	(CAS No) 71074-89-0	.1-6	
Silica, amorphous, fumed, cryst.-free	(CAS No) 112945-52-5	1-5	
Phenol, 2-nonyl-, branched	(CAS No) 91672-41-2	1-5	
2-(2-Aminoethylamino)Ethanol	(CAS No) 111-41-1	.01-2	

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours

Eyes: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.

Skin: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns. May cause an allergic skin reaction.

Ingestion : Harmful if swallowed

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: pain, watering, redness

Inhalation : Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations

Skin Contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur, reduced fetal weight, increase in fetal deaths, skeletal malformations

Ingestion: Adverse symptoms may include the following: stomach pains, reduced fetal weight, increase in fetal deaths, skeletal malformations.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known

Specific hazards arising from the chemical: This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides.

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed,

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labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

United States

Occupational exposure limits

Component	Exposure limits
-2,4,6-tris(Dimethylaminomethyl)phenol Ethanediol	-ACGIH TLV (United States, 3/2016). C: 100 mg/m ³ Form: Aerosol.
-3,6-Diazaoctanethylenediamin	-AIHA WEEL (United States, 10/2011). Absorbed through skin. TWA: 1 ppm 8 hours -AIHA WEEL (United States, 10/2011). TWA: 10 ppm 8 hours.
-Benzyl alcohol	-NIOSH REL (United States, 10/2013). TWA: 6 mg/m ³ 10 hours.
-Silica, amorphous, fumed, cryst.-free	

Canada

Occupational exposure limits

Component	Exposure limits
-Ethanediol	-CA Ontario Provincial (Canada, 7/2015). C: 100 mg/m ³ Form: Aerosol only CA British Columbia Provincial (Canada, 5/2015). C: 100 mg/m ³ Form: Aerosol. TWA: 10 mg/m ³ 8 hours. Form: Particulate. STEL: 20 mg/m ³ 15 minutes. Form: Particulate. C: 50 ppm Form: Vapour CA Saskatchewan Provincial (Canada, 7/2013). CEIL: 100 mg/m ³ Form: Aerosol. CA Alberta Provincial (Canada, 4/2009). C: 100 mg/m ³ CA Quebec Provincial (Canada, 1/2014). STEV: 50 ppm 15 minutes. Form: Vapor and mist STEV: 127 mg/m ³ 15 minutes. Form: Vapor and mist -CA Ontario Provincial (Canada, 7/2015). Absorbed through skin. TWA: 3 mg/m ³ 8 hours. TWA: 0.5 ppm 8 hours
-3,6-Diazaoctanethylenediamin	

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-Benzyl alcohol	-AIHA WEEL (United States, 10/2011). TWA: 10 ppm 8 hours.
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Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Solid [Paste,Viscous]
Appearance	: Grey
Flash Point	: Closed cup: 129.44°C (265°F) [Tagliabue.]
Odor	: Amine-like
Relative Density	: 1.2
V.O.C. Content	: 1 g/L (tested per EPA CFR 40, Part 63, Subpart PPPP, Appendix A) 47 g/L (tested per EPA CFR 40, Part 60, method 24)
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization will not occur.

Conditions to Avoid: No specific data.

Incompatible Materials: Reactive or incompatible with the following materials: oxidizing materials and alkalis.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product/ingredient name	Result	Species	Dose
-4-Nonylphenol, Branched	- LD50 Oral	Rat	1300 mg/kg

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-2,2'-Ethylenedioxydiethyl bis (2-ethylhexanoate)	- LD50 Oral	Rat	31 g/kg
-2,4,6-tris(Dimethylaminomethyl)	- LD50 Dermal	Rat	1280 mg/kg
Phenol	- LD50 Oral	Rat	1200 mg/kg
-Ethanediol	- LD50 Oral	Rat	4700 mg/kg
-3,6-Diazaoctanethylenediamin	- LD50 Oral	Rabbit	805 mg/kg
-Benzyl alcohol	- LD50 Dermal	Rat	2500 mg/kg
-Silica, amorphous, fumed, cryst.-free	- LD50 Oral	Rabbit	2000 mg/kg
-2-(2-Aminoethylamino)Ethanol	- LD50 Dermal	Rat	1230 mg/kg
	- LD50 Oral	Rat	3160 mg/kg
	- LD50 Oral	Rat	2250 mg/kg
	-LD50 Dermal	Rat	3 g/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
-4-Nonylphenol, Branched	-Eyes - Severe irritant	Rabbit	100 mg
-2-Piperazin-1-Ylethylamine	-Skin - Severe irritant	Rabbit	24 hours 500 mg
-2,2'-Ethylenedioxydiethyl bis (2-ethylhexanoate)	-Eyes - Moderate irritant	Rabbit	24 hours 20 mg
-2,4,6-tris(Dimethylaminomethyl)	-Skin - Severe irritant	Rabbit	24 hours 5 mg
Phenol	-Skin - Mild irritant	Rabbit	500 mg
	-Eyes - Severe irritant		
	-Skin - Mild irritant	Rabbit	24 hours 50 µg
	-Skin - Severe irritant		
	-Skin - Severe irritant	Rat	0.025 ml
	-Eyes - Mild irritant	Rat	0.25 ml
-Ethanediol	-Eyes - Mild irritant	Rabbit	24 hours 2 mg
-3,6-Diazaoctanethylenediamin	-Eyes - Moderate irritant	Rabbit	24 hours 500 mg
	-Skin - Mild irritant	Rabbit	1 hours 100 mg
	-Eyes - Moderate irritant	Rabbit	6 hours 1440 mg
	-Eyes - Severe irritant	Rabbit	555 mg
-Benzyl alcohol	-Skin - Severe irritant	Rabbit	24 hours 20 mg
-2-(2-Aminoethylamino)Ethanol	-Skin - Severe irritant	Rabbit	49 mg
	-Skin - Moderate irritant	Rabbit	24 hours 5 mg
	-Eyes - Severe irritant	Rabbit	490 mg
	-Skin - Mild irritant		24 hours 100 mg
			50 mg
			445 mg

Carcinogenicity

Product/ingredient name	OSHA	IARC	ACGIH
-Talc, not containing asbestiform fibres	3		A4
-Ethanediol			
-Silica, amorphous, fumed, cryst.-free	3		A4

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
-Silica, amorphous, fumed, cryst.-free	3		Respiratory tract irritation
-2-(2-Aminoethylamino)Ethanol	3		Respiratory tract irritation

Potential acute health effects

Eye contact: Causes serious eye damage

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Inhalation: No known significant effects or critical hazards.

Skin contact: Causes severe burns. May cause an allergic skin reaction.

Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: pain, watering, redness

Inhalation: Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations

Skin contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur, reduced fetal weight increase in fetal deaths, skeletal malformations

Ingestion: Adverse symptoms may include the following: stomach pains, reduced fetal weight, increase in fetal deaths, skeletal malformations

Potential chronic health effects

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: May damage the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: May damage fertility.

Acute Toxicity Estimates

Route	ATE Value
Oral	1824.1 mg/kg
Dermal	5751.1 mg/kg
Inhalation (vapors)	876.8 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
-4-Nonylphenol, Branched	-Acute EC50 0.03 mg/L Marine water	Algae - Skeletonema costatum	72 hours
	-Acute EC50 0.027 mg/L Marine water	Algae - Skeletonema costatum	96 hours
	-Acute EC50 137 µg/L Marine water	Crustaceans - Eohaustorius estuarius – Adult	48 hours
	-Acute LC50 17 µg/L Marine water	Fish - Pleuronectes americanus –Larvae	96 hours
	-Chronic NOEC 0.012 mg/L Marine water	Algae - Skeletonema costatum	96 hours
	-Chronic NOEC 7.4 µg/L Fresh water	Crustaceans - Gammarus fossarum – Adult	21 days
-2-Piperazin-1-Ylethylamine	-Acute LC50 2190000 µg/L Fresh water	Fish - Pimephales promelas – Embryo	33 days
	-Acute LC50 6900000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
-3,6-Diazaoctanethylenediamin	-Acute EC50 3700 µg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	-Acute LC50 33900 µg/L Fresh water	Daphnia - Daphnia magna – Neonate	48 hours
-Benzyl alcohol	-Acute LC50 460000 µg/L Fresh water	Fish - Pimephales promelas	96 hours
		Algae - Pseudokirchneriella subcapitata	96 hours
		Daphnia - Daphnia magna	48 hours
		Fish - Pimephales promelas – Juvenile (Fledgling, Hatchling, Weanling)	96 hours

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Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
-4-Nonylphenol, Branched	5.4	740	High
-2-Piperazin-1-Ylethylamine	-1.48		Low
-2,2'-Ethylenedioxydiethyl bis	6.1		High
-(2-ethylhexanoate)			
-2,4,6-tris(Dimethylaminomethyl)	.219		Low
-phenol			
-Ethanediol	-1.36		Low
-3,6-Diazaoctanethylenediamin	-1.66 to -1.4		Low
-Benzyl alcohol	.87		Low
-2-(2-Aminoethylamino)Ethanol	-1.46	<.2	Low

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : UN 3259; Amines, solid, corrosive, N.O.S.
Hazard Class : III
Identification Number :
Packing Group : PG 3
Additional Information : Limited Quantity Exemption For corrosive materials in Packing Group III, inner packaging's not over 5.0 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging.

In Accordance with TDG

Proper Shipping Name : UN 3259; Amines, solid, corrosive, N.O.S.
Hazard Class : III
Identification Number :
Packing Group : PG 3
Additional Information : The marine pollutant mark is not required when transported by road or rail. Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8), 2.7 (Marine pollutant mark). **Remarks:** Limited Quantity Exemption For corrosive materials in Packing Group III, inner packaging's not over 5.0 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging.

In Accordance with IMDG

Proper Shipping Name : UN 3259; Amines, solid, corrosive, N.O.S.
Hazard Class : III
Identification Number :
Packing Group : PG 3
Additional Information : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. **Remarks:** Limited Quantity Exemption For corrosive materials in Packing Group III, inner packaging's not over 5.0 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging.

In Accordance with IATA

Proper Shipping Name : UN 3259; Amines, solid, corrosive, N.O.S.

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Hazard Class	: III
Identification Number	:
Packing Group	: PG 3
Additional Information	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

SECTION 15: REGULATORY INFORMATION

Federal Regulations

TSCA 8(a) PAIR: 4-Nonylphenol, Branched; 2,2'-Ethylenedioxydiethyl bis (2-ethylhexanoate); Phenol, 2-nonyl-, branched

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 12(b) one-time export: 4-Nonylphenol, Branched

United States inventory (TSCA 8b): Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed

SARA 311/312

Classification: Immediate (acute) health hazard; Delayed (chronic) health hazard

Composition/information on ingredients

Product/ingredient name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
-4-Nonylphenol, Branched	No	No	No	Yes	Yes
-2-Piperazin-1-Ylethylamine	No	No	No	Yes	No
-2,4,6-tris(Dimethylaminomethyl)phenol	No	No	No	Yes	No
-Ethanediol	No	No	No	Yes	No
-3,6-Diazaoctanethylenediamin	No	No	No	Yes	No
-Benzyl alcohol	No	No	No	Yes	No
-bis[(Dimethylamino)methyl]phenol	No	No	No	Yes	No
-Silica, amorphous, fumed, cryst.-free.	No	No	No	Yes	No
-Phenol, 2-nonyl-, branched	No	No	No	Yes	Yes
-2-(2-Aminoethylamino)Ethanol	No	No	No	Yes	Yes

SARA 313

	Product Name	CAS #
Form R – Reporting requirements	4-Nonylphenol, Branched Ethanediol	84852-15-3 107-21-1
Supplier notification	4-Nonylphenol, Branched Ethanediol	84852-15-3 107-21-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Benzyl alcohol; Ethanediol; 3,6-Diazaoctanethylenediamin

New York: The following components are listed: Ethanediol

New Jersey: The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Ethanediol; 3,6-Diazaoctanethylenediamin

Pennsylvania: The following components are listed: 2-Piperazin-1-Ylethylamine; Limestone; Talc, not containing asbestiform fibres; Ethanediol; 3,6-Diazaoctanethylenediamin

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California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Product/ingredient name	Cancer	Reproductive	No significant risk	Max. acceptable dosage
-Ethanediol	No	Yes	No	No
-Crystalline silica (medium particle size)	Yes	No	No	No
-Crystalline silica, amorphous	Yes	No	No	No

Canada

Canadian lists

Canadian NPRI : The following components are listed: 4-Nonylphenol, Branched; Ethanediol

CEPA Toxic substances : The following components are listed: 4-Nonylphenol, Branched

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

Revision date : 09/04/2018

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

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