

Safety Data Sheet

Prepared in accordance with GHS standard
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Revision date: June 2019

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Section 1: Identification

Product Identifier (Name) Gem-Cote S ST Adhesive™ Component A

Relevant identified uses of the chemical and restriction on use

The “Relevant” use identified is provided solely to conform to Governmental requirements and is not included in the manufacturer's published data and specifications. The complete information on identified uses is not available now, and the Safety Data Sheet (“SDS”) will be updated, as it becomes available.

Details of the supplier of the safety data sheet

Manufacturer	Gemite Products Inc. 1787 Drew Road, Mississauga, Ontario, L5S 1J5, Canada
Telephone	(905) 672-2020
Emergency telephone number	905 672 2020
Other means of identification	
Chemical family	Epoxy Resin
T.D.G. Classification:	Not regulated
IATA:	Not regulated

Section 2: Hazard(s) identification

2. Hazards identification

GHS Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

GHS Label element



Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Skin contact

May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider

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Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed: Low toxicity.

Note to physicians

Treatment based on sound judgment of physician and individual reactions of patient.

Low toxicity. May cause dermatitis, prolonged or repeated contact may cause skin sensitization. Causes serious eye irritation Vapors given off by heated product may be harmful. Causes skin irritation

See Section 11 for more detailed information on health effects and symptoms.

Section 3: Composition/information on ingredients

INGREDIENTS	%	TLV	CAS NO.
Diglycidylether of Bisphenol A	15-35	N/A	25068-38-6
Silica	3	N/A	60676-86-0
Titanium Dioxide	1-10	N/A	13463-67-7

Section 4: First-aid measures

Description of First Aid measures

If inhaled: Move to fresh air.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing.

If swallowed: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No known significant effects or hazards.

See Section 11 for more detailed information on health effects and symptoms.

Protection of first-aiders: No hazards which require special first aid measures.

Notes to physician: Treat symptomatically.

Section 5: Fire-fighting measures

Suitable Extinguishing Media

Carbon dioxide. Dry chemical. Water may not be effective to extinguish fire. Foam.

Specific hazards arising from the substance or mixture

Containers may rupture. Use water spray to cool containers. The frothing may be violent and could endanger personnel close to the fire. However, a water spray or fog that is carefully applied to the surface of the liquid, preferably with a fine spray or fog nozzle, will cause frothing that will blanket and extinguish the fire. Water may cause frothing. Epoxy resin solutions may accumulate static charge during unloading or use. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Fight fire from a safe distance and from a protected location. Isolate and restrict area access.

Hazardous combustion products

Toxic fumes. Oxides of carbon.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

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Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal

Section 7: Handling and storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities: Place away from incompatible materials. Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store in accordance with good industrial practices.

Section 8: Exposure controls/personal protection

This product as supplied contains no hazardous substances with occupational exposure limit values. Contact local authorities for applicable exposure limits

Appropriate engineering controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Individual protection measures, such as personal protective equipment

Eye/face protection: Chemical safety glasses with side shields or splash proof goggles.

Hand protection: Impervious gloves. 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.

Skin and body protection: Wear suitable protective clothing. Long sleeved clothing. If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator.

General hygiene considerations: Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

Respiratory protection: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hygiene measures: Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating area.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	liquid
Color	white paste color when tinted
Odor	mild
Odor threshold	no information available
Flash point:	not applicable
Ignition temperature:	not applicable
Decomposition temperature:	no data available
Lower explosion limit (Vol%):	no data available
Upper explosion limit (Vol%):	no data available
Flammability (solid, gas):	not applicable
Oxidizing properties:	no data available
Autoignition temperature:	not applicable

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pH:	not applicable
Melting point/range:	no data available
Flash point:	>250°C
Vapor pressure:	no data available
Density at 73 °F (23 °C)	1.77 +/- 0.03 g/cm ³
Viscosity, dynamic:	no data available
Relative vapor density:	no data available
Evaporation rate:	no data available
Burning rate:	not applicable
Volatile organic compounds, (VOC) content:	no data available

Section 10: Stability and reactivity

Reactivity/Chemical Stability: Stable under normal conditions

Possibility of hazardous reactions: No additional remark.

Conditions to avoid: Excessive heating over a long period of time degrades the resin. Avoid contact with heat, sparks, open flame, and static discharge.

Incompatible materials: Strong acids. Strong bases. Strong oxidizers. Amines.

Hazardous decomposition products: Toxic fumes. Oxides of carbon.

Section 11: Toxicological information

Information on likely routes of exposure

Inhalation: Vapors given off by heated product may be harmful.

Eye contact: Causes serious eye irritation.

Skin contact: May cause dermatitis, prolonged or repeated contact may cause skin sensitization. Causes skin irritation.

Ingestion: Low toxicity.

Information on toxicological effects

Symptoms: itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document. ATE mix (oral) 11,400.00 mg/kg

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Causes skin irritation. May cause dermatitis, prolonged or repeated contact may cause skin sensitization.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause sensitization by skin contact.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Specific target organ systemic toxicity - single exposure: No information available.

Specific target organ systemic toxicity - repeated exposure: No information available.

Aspiration hazard: No information available.

Reproductive toxicity: No information available.

Specific target organ systemic toxicity - single exposure: No information available.

Specific target organ systemic toxicity - repeated exposure: No information available.

Section 12: Ecological information

Ecotoxicity

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The environmental impact of this product has not been fully investigated.

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Other information: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 13: Disposal considerations

Waste treatment methods: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not reuse empty containers.

Waste from residues: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

DOT: not dangerous goods

IATA: not dangerous goods

IMDG: not dangerous goods

Special precautions for user: no data available

Section 15: Regulatory information

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

Section 16: Other information

HMIS Classification

HMIS Health Rating:	Health hazards 2 Flammability 0 Physical hazards 0 Personal protection X
NFPA:	Health hazards 2 Flammability 0 Instability 0 Physical and chemical properties – personal protection X

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

Notice to reader

The information contained in this Safety Data Sheet is based on our level of knowledge at the time of its preparation. Our most current Sales Terms & Conditions shall apply. Please consult the technical data sheet for the appropriate products, and current guide specifications and application instructions, prior to any use and processing.



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The terms of this Safety Data Sheet do not create, or infer, any warranty, express or implied, including by incorporation into, or reference in, any seller's documents or sales agreement.

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Section 1: Identification

Product Identifier (Name) Gem-Cote S ST Adhesive™ Component B

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	1787 Drew Road, Mississauga, Ontario, L5S 1J5, Canada
Telephone	(905) 672-2020
Emergency telephone number	905 672 2020
Other means of identification	
Chemical family	Epoxy Resin Curative – modified amine
	UN 2735, Class 8, PG III, Liquid, corrosive, (isophoronedamine)

Section 2: Hazard(s) identification

2. Hazards identification

Health Hazards

Acute toxicity (Inhalation-vapor)	Category 4
Skin Corrosion/Irritation	Category 1A
Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 2
Specific Target Organ Toxicity	Repeated Exposure
Acute toxicity, oral	2.4 %
Acute toxicity, dermal	32.4 %
Acute toxicity, inhalation, vapor	73.5 %
Acute toxicity, inhalation, dust or mist	83.5 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 1
Unknown toxicity – Environment	50.5%
Acute hazards to the aquatic environment	89.5%

GHS Label elements



Signal Word: Danger

Hazard Statement:

Harmful if inhaled.

Causes severe skin burns and eye damage.

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May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.

Precautionary Statements:

Prevention: Use only outdoors or in a well-ventilated area. Do not breathe dust or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse. Collect spillage.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

Section 3: Composition/information on ingredients

INGREDIENTS	%	TLV	CAS #
Polyoxyalkylenediamine	10-20	N/A	9046-10-0
N2, 4,6, tris (dismethyl-aminimethyl phenol)	1-5	N/A	90-72-2

Section 4: First-aid measures

Ingestion: Rinse mouth. Call a physician or poison control center immediately. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.

Inhalation: breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen.

Skin Contact: Call a physician or poison control center immediately. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed

Symptoms: Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Extreme irritation of eyes and mucous membranes, including burning and tearing. Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

Section 5: Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet an extinguisher, spread the fire.

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Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire-fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

Section 7: Handling and storage

Precautions for safe handling: Wash hands thoroughly after handling. Do not get in eyes. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Do not get in eyes, on skin, on clothing. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store locked up.

Section 8: Exposure controls/personal protection

Chemical Identity	Type	Exposure Limit Value	Source
Heavy aromatic naphtha – Non- aerosol. - as total hydrocarbon vapor	TWA	200 mg/m ³	US. ACGIH Threshold Limit Values (03 2014)
Heavy aromatic naphtha	PEL	100 ppm 400 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Heavy aromatic naphtha – Non- aerosol. - as total hydrocarbon vapor	TWA	200 mg/m ³	Canada. British Columbia OELs. Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Heavy aromatic naphtha – Non- aerosol. - as total hydrocarbon vapor	TWA	200 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Heavy aromatic naphtha	TWA	525 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Heavy aromatic naphtha	TWA	400 ppm 1,590 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (11 2011)
Triethylenetetramine	TWA	0.5 ppm 3 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

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Physical state	liquid
Appearance	Black paste
Odor threshold	no information available
Flash point:	250°C
Ignition temperature:	no data available
Decomposition temperature:	no data available
Lower explosion limit (Vol%):	no data available
Upper explosion limit (Vol%):	no data available
Flammability (solid, gas):	no data available
Oxidizing properties:	not applicable
Autoignition temperature:	not applicable
pH:	not applicable
Melting point/range:	no data available
Boiling point/boiling range:	no data available
Vapor pressure:	no data available
Density at 73 °F (23 °C)	1.85 +/- 0.03 g/cm ³
Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available
Relative vapor density:	no data available
Evaporation rate:	no data available
Burning rate:	not applicable
VOC: When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 97 g/l Regulatory VOC (less water and exempt solvent) 687 g/l; VOC Method 310 56.49 %	

Section 10: Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: Avoid heat or contamination.
Incompatible Materials: Avoid contact with acids.
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Section 11: Toxicological information

Information on likely routes of exposure
Inhalation: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact: Causes severe skin burns. May cause an allergic skin reaction.
Eye contact: Causes serious eye damage.
Ingestion: May be harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Ingestion: No data available.
Information on toxicological effects
Acute toxicity (list all possible routes of exposure)
Oral Product: ATEmix: 2,757.27 mg/kg
Dermal Product: ATEmix: 5,104.45 mg/kg

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Inhalation Product: ATEmix: 17.65 mg/l

Repeated dose toxicity Product: No data available.

Skin Corrosion/Irritation Product: No data available.

Specified substance(s):

4-Nonylphenol in vivo (Rabbit): Category 1B Experimental result, Weight of Evidence study

Benzyl alcohol in vivo (Rabbit): Not irritant Experimental result, Key study

Heavy aromatic naphtha in vivo (Rabbit): Irritating Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product:

Specified substance(s): No data available.

4-Nonylphenol Rabbit, 24 - 72 hrs: Corrosive

Heavy aromatic naphtha Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product: No data available.

In vivo Product: No data available.

Reproductive toxicity Product: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard Product: No data available.

Other effects: No data available.

Section 12: Ecological information

Ecotoxicity: Acute hazards to the aquatic environment:

Fish Product: No data available.

Specified substance(s):

4-Nonylphenol

LC 50 (Fathead minnow (Pimephales promelas), 96 h): 0.13825 mg/l Mortality

Benzyl alcohol

LC 50 (Fathead minnow (Pimephales promelas), 96 h): 460 mg/l Mortality

Aquatic Invertebrates Product: No data available.

Specified substance(s):

Benzyl alcohol

EC 50 (Daphnia magna, 48 h): 230 mg/l Experimental result, Key study

Triethylenetetramine

LC 50 (Water flea (Daphnia magna), 48 h): 33.9 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish Product: No data available.

Specified substance(s):

Heavy aromatic naphtha

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NOAEL (Oncorhynchus mykiss, 28 d): 0.098 mg/l QSAR QSAR, Key study

Aquatic Invertebrates Product: No data available.

Toxicity to Aquatic Plants Product: No data available.

Persistence and Degradability Biodegradation Product: No data available.

BOD/COD Ratio Product: No data available.

Bioaccumulative Potentia Bioconcentration Factor (BCF) Product: No data available.

Specified substance(s):

4-Nonylphenol

Fathead minnow (Pimephales promelas), Bioconcentration Factor (BCF): 988 (Flow through)

Partition Coefficient n-octanol / water (log Kow) Product: No data available.

Specified substance(s):

Benzyl alcohol Log Kow: 1.10

Mobility in Soil: No data available.

Other Adverse Effects: Very toxic to aquatic organisms.

Section 13: Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

Section 14: Transport information

TDG: UN1760, CORROSIVE LIQUID, N.O.S. (Alkaline Amine), 8, PG III

CFR / DOT: UN1760, Corrosive liquids, n.o.s. (Alkaline Amine), 8, PG III

IMDG: UN1760, CORROSIVE LIQUID, N.O.S. (Alkaline Amine, Nonylphenol), 8, PG III, MARINE POLLUTANT

Further Information: The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

Section 15: Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Chemical Identity

Reportable quantity

4-Nonylphenol : De minimis concentration: TSCA 5% One-Time Export Notification only.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

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Chemical Identity

4-Nonylphenol	10,000 lbs
Benzyl alcohol	
Proprietary mixed cycloaliphatic amines in SAP 12837	10,000 lbs
Heavy aromatic naphtha	10,000 lbs
Proprietary tertiary amine in SAP 12837	10,000 lbs
Triethylenetetramine	10,000 lbs

SARA 313 (TRI Reporting)

Chemical Identity

4-Nonylphenol

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Heavy aromatic naphtha

Triethylenetetramine

US. Massachusetts RTK - Substance List

Chemical Identity

4-Nonylphenol

Benzyl alcohol

Heavy aromatic naphtha

Triethylenetetramine

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

4-Nonylphenol

Benzyl alcohol

Heavy aromatic naphtha

Triethylenetetramine

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

not applicable

Stockholm convention

not applicable

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Rotterdam convention

not applicable

Kyoto protocol

not applicable

Section 16: Other information

HMIS Classification

Please see the front page

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