## SECTION 1. IDENTIFICATION

Product name : PUR-Strip 100

Product number : 661393

**Manufacturer or supplier's details**

Company : Versum Materials US, LLC 8555 South River Parkway Tempe, AZ 85284-2601Exporter EIN No. 47-5632014
www.emdgroup.com/electronics Telephone: 800 837 2724

Emergency telephone : 1-800-424-9300 CHEMTREC (USA) 1-703-741-5970
CHEMTREC (International) 24 Hours/day; 7 Days/week

**Recommended use of the chemical and restrictions on use**

Recommended use : Polyurethane Stripper

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Flammable liquids : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 3

**GHS label elements**

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H227 Combustible liquid.
H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements :

**Prevention:**

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

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/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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/ doctor.
P363 Wash contaminated clothing before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|---|---|
| Methane, sulfinylbis- | 67-68-5 | >= 30 - < 50 |
| 1-Butoxypropan-2-ol | 5131-66-8 | >= 30 - < 50 |

| | | |
|---|---|---|
| Ethanolamine | 141-43-5 | >= 20 - < 30 |

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

| | | |
|---|---|---|
| General advice | : | First aider needs to protect himself.<br>Show this material safety data sheet to the doctor in attendance. |
| If inhaled | : | fresh air. Call in physician. |
| In case of skin contact | : | Wash off immediately with plenty of water for at least 15 minutes.<br>Take off immediately all contaminated clothing. Rinse skin with water/ shower.<br>Call a physician immediately. |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Seek medical treatment immediately.<br>Remove contact lenses. |
| If swallowed | : | make victim drink water (two glasses at most), avoid vomiting (risk of perforation).<br>Call a physician immediately.<br>Do not attempt to neutralise.<br>Do NOT induce vomiting.<br>Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, both acute and delayed | : | Irritation and corrosion<br>Cough<br>Shortness of breath<br>Risk of blindness! |
| Notes to physician | : | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. |

## SECTION 5. FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Water<br>Dry powder<br>Foam<br>Carbon dioxide (CO2) |

| | | |
|---|---|---|
| Unsuitable extinguishing media | : | For this substance/mixture no limitations of extinguishing agents are given. |
| Specific hazards during fire fighting | : | Combustible.<br><br>Vapors are heavier than air and may spread along floors.<br>Forms explosive mixtures with air on intense heating.<br>Development of hazardous combustion gases or vapours possible in the event of fire.<br><br>Fire may cause evolution of:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>nitrous gases |
| Further information | : | Prevent fire extinguishing water from contaminating surface water or the ground water system.<br>Suppress (knock down) gases/vapors/mists with a water spray jet. |
| Special protective equipment for fire-fighters | : | Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Advice for non-emergency personnel:<br>Do not breathe vapors, aerosols.<br>Avoid substance contact.<br>Ensure adequate ventilation.<br>Evacuate the danger area, observe emergency procedures, consult an expert.<br>Advice for emergency responders:<br>Protective equipment see section 8.<br>If possible, stop flow of product. |
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system.<br>Prevent further leakage or spillage if safe to do so. |
| Methods and materials for containment and cleaning up | : | Cover drains. Collect, bind, and pump off spills.<br>Observe possible material restrictions (see sections 7 and 10).<br>Take up with liquid-absorbent material (e.g. Chemizorb® ).<br>Dispose of properly. Clean up affected area. |

## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Emergency showers and eye wash stations should be readily accessible. Observe label precautions.

Conditions for safe storage : Store in original container.

Further information on storage conditions : Keep locked up or in an area accessible only to qualified or authorized persons. Risks from decomposition products: see section 10 Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| Methane, sulfinylbis- | 67-68-5 | TWA | 250 ppm | US WEEL |
| Ethanolamine | 141-43-5 | TWA | 3 ppm | ACGIH |
| | | STEL | 6 ppm | ACGIH |
| | | TWA | 3 ppm<br>8 mg/m3 | NIOSH REL |
| | | ST | 6 ppm<br>15 mg/m3 | NIOSH REL |
| | | TWA | 3 ppm<br>6 mg/m3 | OSHA Z-1 |
| | | TWA | 3 ppm<br>8 mg/m3 | OSHA P0 |
| | | STEL | 6 ppm<br>15 mg/m3 | OSHA P0 |

**Engineering measures** : Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7

**Personal protective equipment**

| | | |
|---|---|---|
| Respiratory protection | : | Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.<br>Respirator with filter for organic vapor<br>Wear appropriate respirator when ventilation is inadequate. required when vapours/aerosols are generated. |
| Hand protection | | |
| Remarks | : | Solvent-resistant 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. |
| Protective measures | : | Wear suitable protective clothing, gloves and eye/face protection. |
| Eye protection | : | Tightly fitting safety goggles |
| Body Protection | : | Rubber or plastic boots<br>If there is any possibility of direct contact or exposure, wear chemical resistant protective clothing. |
| Hygiene measures | : | Avoid contact with skin, eyes and clothing.<br>Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | liquid |
| Color | : | colourless to yellow |
| Odor | : | amine-like |
| Odor Threshold | : | No data available |

| | | |
|---|---|---|
| pH | : | No data available |
| Melting point | : | No data available |
| Boiling point/boiling range | : | > 392 °F / > 200 °C |
| Flammability (solid, gas) | : | No data available |
| Decomposition temperature | : | No data available |
| Flash point | : | > 66 °C |
| Auto-ignition temperature | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapor pressure | : | 0.54 hPa |
| Relative vapor density | : | No data available |
| Relative density | : | 1.01 |
| Density | : | 1.01 g/cm3 |
| Solubility(ies) | | |
| Water solubility | : | Miscibility with water |
| Partition coefficient: n-octanol/water | : | No data available |
| Evaporation rate | : | No data available |
| Viscosity | : | No data available |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | Forms explosive mixtures with air on intense heating.<br>A range from approx. 15 Kelvin below the flash point is to be rated as critical. |
| Chemical stability | : | The product is chemically stable under standard ambient conditions (room temperature) . |
| Possibility of hazardous reactions | : | no information available |
| Conditions to avoid | : | Heat, flames and sparks. |
| Incompatible materials | : | Acids<br>sodium hypochlorite<br>Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.<br>Metals<br>Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. |
| Hazardous decomposition products | : | in the event of fire: See section 5.<br>Nitric acid<br>Nitrogen oxides (NOx)<br>Nitrogen oxide can react with water vapors to form corrosive nitric acid.<br>Carbon monoxide<br>Carbon dioxide (CO2)<br>Gives off hydrogen by reaction with metals.<br>Sulfur oxides |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Inhalation
Eye contact
Skin contact

**Acute toxicity**

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Acute Toxicity Estimate (ATE): 3,939 mg/kg<br>Method: Calculation method<br><br>Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. |

| | | |
|---|---|---|
| Acute inhalation toxicity | : | Acute Toxicity Estimate (ATE): 28.6 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: Calculation method<br><br>Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract |
| Acute dermal toxicity | : | Acute Toxicity Estimate (ATE): 2,860 mg/kg<br>Method: Calculation method<br><br>Symptoms: Causes severe burns. |

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat, male and female): 28,300 mg/kg<br>Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : | LC0 (Rat, male and female): > 5.33 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: OECD Test Guideline 403<br>GLP: yes<br>Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration. |
| Acute dermal toxicity | : | LD50 (Rat, male and female): 40,000 mg/kg<br>Remarks: (ECHA) |

**1-Butoxypropan-2-ol:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Assessment: Toxic effects cannot be excluded |
| Acute inhalation toxicity | : | Assessment: Toxic effects cannot be excluded |
| Acute dermal toxicity | : | Assessment: Toxic effects cannot be excluded |

**Ethanolamine:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat, male and female): ca. 1,515 mg/kg<br>Method: OECD Test Guideline 401<br>Remarks: (ECHA) |
| Acute inhalation toxicity | : | LC50 (Rat, male and female): 1.49 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: Calculation method<br>Assessment: The component/mixture is moderately toxic after short term inhalation.<br>Remarks: (ECHA) |

| | | |
|---|---|---|
| Acute dermal toxicity | : | LD50: 1,100 mg/kg<br>Method: Converted acute toxicity point estimate<br>Remarks: (ECHA) |

**Skin corrosion/irritation**

**Product:**

No data available

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Exposure time | : | 4 h |
| Method | : | OECD Test Guideline 404 |
| Result | : | slight irritation |
| GLP | : | yes |
| Remarks | : | (ECHA) |

**1-Butoxypropan-2-ol:**

| | | |
|---|---|---|
| Method | : | OECD Test Guideline 404 |
| Result | : | Skin irritation |
| GLP | : | yes |

**Ethanolamine:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Exposure time | : | 4 h |
| Method | : | OECD Test Guideline 404 |
| Result | : | Causes burns. |
| Remarks | : | (ECHA) |

**Serious eye damage/eye irritation**

**Product:**

| | | |
|---|---|---|
| Remarks | : | Risk of blindness! |

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Result | : | slight irritation |
| Exposure time | : | 24 h |
| Method | : | OECD Test Guideline 405 |
| Remarks | : | (ECHA) |

**1-Butoxypropan-2-ol:**

| | | |
|---|---|---|
| Result | : | Eye irritation |
| Method | : | OECD Test Guideline 405 |
| GLP | : | yes |

**Ethanolamine:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Result | : | Causes burns. |
| Method | : | OECD Test Guideline 405 |
| Remarks | : | (ECHA) |

**Respiratory or skin sensitization**

**Product:**

No data available

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Test Type | : | Local lymph node assay (LLNA) |
| Routes of exposure | : | Skin |
| Species | : | Mouse |
| Method | : | OECD Test Guideline 429 |
| Result | : | negative |
| Remarks | : | (ECHA) |

**Germ cell mutagenicity**

**Product:**

No data available

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Genotoxicity in vitro | : | Test Type: gene mutation test<br>Test system: Salmonella typhimurium<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 471<br>Result: negative<br>Remarks: (ECHA)<br><br>Test Type: sister chromatid exchange assay<br>Test system: Chinese hamster ovary cells<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 479<br>Result: negative<br>Remarks: (ECHA)<br><br>Test Type: Mutagenicity (mammal cell test): chromosome aberration.<br>Test system: Chinese hamster ovary cells<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 473<br>Result: negative<br>Remarks: (ECHA) |
| Genotoxicity in vivo | : | Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) |

Species: Rat (male and female)
Cell type: Red blood cells (erythrocytes)
Application Route: i.p.
Method: OECD Test Guideline 474
Result: negative
GLP: yes

**Ethanolamine:**

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative
Remarks: (IUCLID)

Test Type: Mutagenicity (mammal cell test):
Test system: Human lymphocytes
Result: negative
Remarks: (IUCLID)

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse
Application Route: oral
Method: OECD Test Guideline 474
Result: negative
GLP: yes

## Carcinogenicity

**Product:**

No data available

**Components:**

**Methane, sulfinylbis-:**

Remarks : No indication of carcinogenic activity.
(IUCLID)

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## Reproductive toxicity

**Product:**

No data available

**STOT-single exposure**

**Product:**

No data available

**Components:**

**1-Butoxypropan-2-ol:**

Assessment : Based on available data the classification criteria are not met.

**Ethanolamine:**

Assessment : May cause respiratory irritation.
Remarks : (ECHA)

**STOT-repeated exposure**

**Product:**

No data available

**Aspiration toxicity**

**Product:**

No data available

**Further information**

**Product:**

Remarks : Handle in accordance with good industrial hygiene and safety practice
Other dangerous properties can not be excluded.
This substance should be handled with particular care.
The product has not been tested. The information is derived from the properties of the individual components.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Components:**

**Methane, sulfinylbis-:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 25,000 mg/l
Exposure time: 96 h
Analytical monitoring: yes
GLP: yes
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 24,600 mg/l
Exposure time: 48 h
Analytical monitoring: yes

Method: OECD Test Guideline 202
Remarks: (ECHA)

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 17,000 mg/l
Exposure time: 72 h
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: (ECHA)

Toxicity to microorganisms : EC50 (activated sludge): 10 - 100 mg/l
Exposure time: 30 min
Method: ISO 8192
Remarks: (IUCLID)

**Ecotoxicology Assessment**

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

**Ethanolamine:**

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 349 mg/l
Exposure time: 96 h
Method: Regulation (EC) No. 440/2008, Annex, C.1
GLP: yes
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 65 mg/l
Exposure time: 48 h
Method: Regulation (EC) No. 440/2008, Annex, C.2
GLP: yes
Remarks: (ECHA)

NOEC (Daphnia magna (Water flea)): 0.85 mg/l
Exposure time: 21 d
Remarks: (ECHA)

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 2.8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: (ECHA)

NOEC: 1 mg/l
Exposure time: 72 h
Remarks: (ECHA)

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

**Persistence and degradability**

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Biodegradability | : | Inoculum: activated sludge<br>Concentration: 2 mg/l<br>Result: Not readily biodegradable.<br>Biodegradation: 31 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301D<br>GLP: yes |

**Ethanolamine:**

| | | |
|---|---|---|
| Biodegradability | : | Result: Readily biodegradable.<br>Biodegradation: 90 - 100 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301F |
| Biochemical Oxygen Demand (BOD) | : | 800 mg/g<br>Incubation time: 5 d<br>Remarks: (IUCLID) |
| ThOD | : | 1,310 mg/g<br>Remarks: (IUCLID) |

**Bioaccumulative potential**

**Components:**

**Methane, sulfinylbis-:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: -1.35 (68 °F / 20 °C)<br>Remarks: Bioaccumulation is not expected. (ECHA) |

**Ethanolamine:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: -2.3 (77 °F / 25 °C)<br>pH: 6.8 - 7.3<br>Method: OECD Test Guideline 107<br>Remarks: Bioaccumulation is not expected. |

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

| | | |
|---|---|---|
| Ozone-Depletion Potential | : | Regulation: 40 CFR Protection of Environment; Part 82 Pro- |

tection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Discharge into the environment must be avoided.
No ecological testing was carried out on the preparation.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging : When discarding an empty container, the contaminated to the inside is removed completely and it discards according to your local regulations.

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**

| | | |
|---|---|---|
| UN/ID No. | : | UN 3267 |
| Proper shipping name | : | Corrosive liquid, basic, organic, n.o.s. (Ethanolamine) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | Corrosive |
| Packing instruction (cargo aircraft) | : | 855 |
| Packing instruction (passenger aircraft) | : | 851 |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 3267 |
| Proper shipping name | : | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Ethanolamine) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | 8 |
| EmS Code | : | F-A, S-B |

Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**

**49 CFR Road**

| | | |
|---|---|---|
| UN/ID/NA number | : | UN 3267 |
| Proper shipping name | : | Corrosive liquid, basic, organic, n.o.s. (Ethanolamine) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | CORROSIVE |
| ERG Code | : | 153 |
| Marine pollutant | : | no |

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

| | | |
|---|---|---|
| Methane, sulfinylbis- | 67-68-5 | >= 30 - < 50 % |
| Ethanolamine | 141-43-5 | >= 20 - < 30 % |

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations**

**Massachusetts Right To Know**

| | |
|---|---|
| Ethanolamine | 141-43-5 |

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**The ingredients of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TSCA | : | All substance listed on the TSCA Active Inventory |
| DSL | : | All components of this product are on the Canadian DSL |

## SECTION 16. OTHER INFORMATION

| | | |
|---|---|---|
| Revision Date | : | 10/11/2024 |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN