



MATERIAL SAFETY DATA SHEET

HIGH VELOCITY INSULATION ADHESIVE III Part A

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #0056b3; color: white;"> <td style="text-align: center;">2</td> <td style="text-align: center;">HEALTH</td> </tr> <tr style="background-color: #d62728; color: white;"> <td style="text-align: center;">1</td> <td style="text-align: center;">FLAMMABILITY</td> </tr> <tr style="background-color: #ff9933; color: white;"> <td style="text-align: center;">1</td> <td style="text-align: center;">REACTIVITY</td> </tr> <tr style="background-color: #cccccc;"> <td style="text-align: center;">B</td> <td style="text-align: center;">PROTECTIVE EQUIPMENT</td> </tr> </table>	2	HEALTH	1	FLAMMABILITY	1	REACTIVITY	B	PROTECTIVE EQUIPMENT		<p>NOT REGULATED</p>
2	HEALTH									
1	FLAMMABILITY									
1	REACTIVITY									
B	PROTECTIVE EQUIPMENT									

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION	
Product name:	High Velocity Insulation Adhesive III Part A
Use:	Low rise foam insulation adhesive
Manufacturer:	Soprema Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time): (800) 356-3521 CHEMTREC (USA) (24h.): (800) 424-9300 CANUTEC (Canada): (613) 996-6666 International: (703) 527-3887

EMERGENCY OVERVIEW!!!

This product is harmful by inhalation, when in contact with the skin and if it is swallowed. This product may cause sensitization by inhalation and skin contact. Repeated inhalation of vapors may cause an allergic respiratory response, the onset of which may be delayed several hours after exposure. Avoid contamination. Water reacts with product liberating CO₂ gas.

SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS		
Component	CAS#	% by weight
Polyurethane polymer	Not available	40-60
Methyl bisphenol isocyanate (MDI)	101-68-8	10-30
Polymethylene polyphenylene isocyanate	9016-87-9	10-30
Dimethyl silicone polymer with silica	67762-90-7	1-5

SECTION III. POTENTIAL HEALTH EFFECTS

EMERGENCY OVERVIEW:

This product is harmful by inhalation, when in contact with the skin and if it is swallowed. This product may cause sensitization by inhalation and skin contact. Repeated inhalation of vapors may cause an allergic respiratory response, the onset of which may be delayed several hours after exposure. Avoid contamination. Water reacts with product liberating CO₂ gas.

SKIN	This product is irritating to the skin. This product may cause an allergic skin reaction.
EYES	This product is irritating to the eyes. Symptoms include itching, burning, redness and tearing.
INHALATION	Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest.
INGESTION	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION IV. FIRST AID MEASURES

EYES	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
SKIN	Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. Contaminated leather articles, including shoes, that cannot be decontaminated should be discarded.
INHALATION	Move affected individual to an area free of risk from further exposure. Administer oxygen or artificial respiration as needed. Immediate or delayed asthma-like symptoms may develop. Obtain medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

SECTION V. FIRE-FIGHTING MEASURES

General fire hazards	See Section 9 for Flammability Properties. Cool containers with water spray. Containers may burst if overheated. This product reacts with water producing CO ₂ gas. Do not reseal contaminated containers as a hazardous pressure build up could result in container rupture.
Hazardous combustion products	Combustion products may include carbon oxides, nitrogen oxides, hydrocarbons, HCN and isocyanates.
Extinguishing media	Use methods for the surrounding fire.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Containment Procedures

Wear appropriate personal protective equipment. Stop the flow of material, if this is without risk. Do not allow to drain to sewers.

Clean-Up Procedures

Ventilate the contaminated area. Absorb spill with inert material. Shovel material into appropriate container for further neutralization and disposal. Dispose of in accordance with federal, state and local regulations in a permitted waste management facility.

Evacuation Procedures

Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure.

Special Procedures

Avoid inhalation of vapors or mists. Surfaces may become slippery after a spill.

SECTION VII. HANDLING AND STORAGE

Handling Procedures

Avoid contact with skin and eyes. Do not breathe vapors. Wear proper personal protective equipment. Avoid contact with water. Do not re-seal contaminated product as a hazardous build-up of pressure may result from liberation of CO₂ gas. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

Storage Procedures

Keep containers properly sealed in a cool, dry, well-ventilated area between 65-85F (18.3-29.4C). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS	Methylene bisphenol isocyanate (MDI) (101-68-8) ACGIH: 0.005 ppm TWA OSHA: 0.02 ppm Ceiling; 0.2 mg/m ³ Ceiling NIOSH: 0.005 ppm TWA; 0.05 mg/m ³ TWA 0.020 ppm Ceiling (10 min); 0.2 mg/m ³ Ceiling (10 min)
ENGINEERING CONTROLS	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
SKIN	The use of neoprene, nitrile rubber or butyl rubber gloves is recommended.
RESPIRATORY	Use a NIOSH-approved organic vapor respirator to protect against inhalation of vapors. A respirator should be used if ventilation is unavailable, or is inadequate for keeping vapor levels below the applicable exposure limits.
EYES	Wear chemical goggles; add face shield (if splashing is possible).
GENERAL	Eye wash fountain and emergency showers are recommended.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Tan viscous liquid
ODOR	Faint, aromatic
VAPOR PRESSURE	Not available
pH	Not available
VAPOR DENSITY	Not available
BOILING POINT	Not available
MELTING POINT	Not available
SOLUBILITY (H₂O)	Reacts with water
SPECIFIC GRAVITY	1.12
EVAPORATION RATE	Not available
VISCOSITY	3,200 - 11,000 cps @ 75°F
VOC	Not available
PERCENT VOLATILE	< 0.15
OCTANOL/H₂O COEFFICIENT	Not available
FLASH POINT	> 350°F (177°C)
FLASH POINT METHOD	Pensky-Martin Closed Cup
UPPER FLAMMABILITY LIMIT (UFL)	Not available
LOWER FLAMMABILITY LIMIT (LFL)	Not available
BURNING RATE	Not available
AUTO IGNITION	Not available

SECTION X. STABILITY AND REACTIVITY

Chemical Stability

Stable at room temperature. Reaction with water (moisture) produces CO₂ gas. Exothermic reaction with materials containing active hydrogen groups.

Chemical Stability: Conditions to Avoid

Avoid high temperatures. Avoid contact with water. Avoid contamination. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

Incompatibility

Water, alcohols, amines, bases and acids.

Hazardous Decomposition

Carbon oxides, nitrogen oxides, hydrocarbons, HCN and isocyanates.

Possibility of Hazardous Reactions

Polymerization will occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds.

SECTION XI. TOXICOLOGICAL INFORMATION

Acute Dose Effects

A: General Product Information

This product is harmful by inhalation, when in contact with the skin and if it is swallowed. This product may cause sensitization by inhalation and skin contact. Repeated inhalation of vapors may cause an allergic respiratory response, the onset of which may be delayed several hours after exposure. This product is irritating to the eyes. Symptoms include itching, burning, redness and tearing. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

B: Component Analysis - LD50/LC50

Polymethylene polyphenylene isocyanate (9016-87-9)

Inhalation LC50 Rat: 490 mg/m³/4H; Oral LD50 Rat: 49 g/kg; Dermal LD50 Rabbit: >9400 mg/kg

Methylene bisphenol isocyanate (MDI) (101-68-8)

Oral LD50 Rat: 9200 mg/kg

Repeated Dose Effects

Repeated or prolonged exposure to MDI may result in isocyanate sensitization (chemical asthma) in some individuals, causing them to react to isocyanate exposure at concentrations below the established exposure limits. Symptoms include chest tightness, wheezing, coughing, and shortness of breath. Effects can be delayed. Overexposure can cause lung damage, including decreased lung function. Prolonged or repeated skin contact may cause irritation leading to dermatitis. Skin sensitization may also occur. Lung injury has been observed in laboratory animals after repeated excessive exposure to MDI/polymeric MDI aerosol droplets. Lung tumors have been observed in laboratory animals exposed to aerosol droplets of MDI/polymeric MDI (6 mg/m) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects.

Carcinogenicity

A: General Product Information

No additional information available.

B: Component Carcinogenicity

Polymethylene polyphenylene isocyanate (9016-87-9)

IARC: Supplement 7 [1987], Monograph 19 [1979] (Group 3 (not classifiable))

Methylene bisphenol isocyanate (MDI) (101-68-8)

IARC: Monograph 71 [1999], Supplement 7 [1987], Monograph 19 [1979] (Group 3 (not classifiable))

SECTION XII. ECOLOGICAL INFORMATION

Ecotoxicity

A: General Product Information

No information available for the product. Product is immiscible with water.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

SECTION XIII. DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

SECTION XIV. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not regulated

TDG INFORMATION: Not regulated

SECTION XV. REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Polymethylene polyphenylene isocyanate (9016-87-9)

SARA 313: 1.0 % de minimis concentration (listed under Chemical Category N120, Diisocyanates)

Methylene bisphenol isocyanate (MDI) (101-68-8)

SARA 313: 1.0 % de minimis concentration (listed under Chemical Category N120, Diisocyanates)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** Yes **Reactive:** Yes

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	CA	MA	MN	NJ	PA	RI
Methylene bisphenol isocyanate (MDI)	101-68-8	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS#	Minimum concentration
Methylene bisphenol isocyanate (MDI)	101-68-8	0.1%

WHMIS Classification: D2A, D2B

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS#	TSCA	CAN	EEC
Polymethylene polyphenylene isocyanate	9016-87-9	Yes	DSL	No
Methylene bisphenol isocyanate (MDI)	101-68-8	Yes	DSL	EINECS
Dimethyl silicone polymer with silica	67767-90-7	Yes	DSL	No

SECTION XVI. OTHER INFORMATION

Glossary:

ACGIH: American Conference of Governmental Industrial Hygienists
ANSI: American National Standards Institute
ASTM: American Society for Testing and Materials
CAS: Chemical Abstract Services
CFR: Code of Federal Regulations (United States)
CSA: Canadian Standardisation Association
DOT: Department of Transportation (United States)
DSL: Domestic Substances List (Canada)
EPA: Environmental Protection Agency (United States)
HMIS: Hazardous Material Information System
IARC: International Agency for Research on Cancer
LC50: (Lethal concentration₅₀) Concentration of a substance in air that causes death of 50% mortality of a defined animal population
LD50: (Lethal dose₅₀) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.
NFPA: National Fire Protection Association (United States)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety & Health Administration (United States)
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act (United States)
RTECS: Registry of Toxic Effects of Chemical Substances
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value
TWA: Time-weighted average
TSCA: Toxic Substances Control Act (United States)
WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.

For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

Justification of the update:

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



MATERIAL SAFETY DATA SHEET

HIGH VELOCITY INSULATION ADHESIVE III Part B

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #0056b3; color: white;"> <td style="text-align: center;">3</td> <td style="text-align: center;">HEALTH</td> </tr> <tr style="background-color: #ff0000; color: white;"> <td style="text-align: center;">0</td> <td style="text-align: center;">FLAMMABILITY</td> </tr> <tr style="background-color: #ff8c00; color: white;"> <td style="text-align: center;">0</td> <td style="text-align: center;">REACTIVITY</td> </tr> <tr style="background-color: #cccccc;"> <td style="text-align: center;">B</td> <td style="text-align: center;">PROTECTIVE EQUIPMENT</td> </tr> </table>	3	HEALTH	0	FLAMMABILITY	0	REACTIVITY	B	PROTECTIVE EQUIPMENT		<p>NOT REGULATED</p>
3	HEALTH									
0	FLAMMABILITY									
0	REACTIVITY									
B	PROTECTIVE EQUIPMENT									

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name:	High Velocity Insulation Adhesive III Part B
Use:	Low rise foam insulation adhesive
Manufacturer:	Soprema Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time): (800) 356-3521 CHEMTREC (USA) (24h.): (800) 424-9300 CANUTEC (Canada): (613) 996-6666 International: (703) 527-3887

EMERGENCY OVERVIEW!!!

Severely irritating to eyes, skin and lungs. May cause allergic skin and respiratory reactions. May cause burns. May be harmful if swallowed.

SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS

Component	CAS#	% by weight
Polypropylene glycol	25322-69-4	60-100
Proprietary Tertiary Amines	Not available	1-5
Dimethyl silicone polymer with silica	67762-90-7	1-5
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	1-5

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
This material is a controlled product under Canadian WHMIS regulations.

SECTION III. POTENTIAL HEALTH EFFECTS

EMERGENCY OVERVIEW:

Severely irritating to eyes, skin and lungs. May cause allergic skin and respiratory reactions. May cause burns. May be harmful if swallowed.

SKIN	This product is severely irritating to the skin. This product may cause an allergic skin reaction.
EYES	This product is severely irritating to the eyes. Symptoms include itching, burning, redness and tearing. May cause eye burns.
INHALATION	Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest.
INGESTION	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION IV. FIRST AID MEASURES

EYES	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
SKIN	Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. Contaminated leather articles, including shoes, that cannot be decontaminated should be discarded.
INHALATION	Move affected individual to an area free of risk from further exposure. Administer oxygen or artificial respiration as needed. Immediate or delayed asthma-like symptoms may develop. Obtain medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

SECTION V. FIRE-FIGHTING MEASURES

General fire hazards	See Section 9 for Flammability Properties. Cool containers with water spray. Containers may burst if overheated.
Hazardous combustion products	Combustion products may include carbon oxides, nitrogen oxides, HCN and organic acid vapors.
Extinguishing media	Use methods for the surrounding fire.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Containment Procedures

Wear appropriate personal protective equipment. Stop the flow of material, if this is without risk. Do not allow to drain to sewers.

Clean-Up Procedures

Ventilate the contaminated area. Absorb spill with inert material. Shovel material into appropriate container for further neutralization and disposal. Dispose of in accordance with federal, state and local regulations in a permitted waste management facility.

Evacuation Procedures

Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure.

Special Procedures

Avoid inhalation of vapors or mists. Surfaces may become slippery after a spill.

SECTION VII. HANDLING AND STORAGE

Handling Procedures

Avoid contact with skin and eyes. Do not breathe vapors. Wear proper personal protective equipment. Avoid contact with water. Do not re-seal contaminated product as a hazardous build-up of pressure may result from liberation of CO₂ gas. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

Storage Procedures

Keep containers properly sealed in a cool, dry, well-ventilated area between 65-85F (18.3-29.4C). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS	ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.
ENGINEERING CONTROLS	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
SKIN	The use of neoprene, nitrile rubber or butyl rubber gloves is recommended.
RESPIRATORY	Use a NIOSH-approved organic vapor respirator to protect against inhalation of vapors. A respirator should be used if ventilation is unavailable, or is inadequate for keeping vapor levels below the applicable exposure limits.
EYES	Wear chemical goggles; add face shield (if splashing is possible).
GENERAL	Eye wash fountain and emergency showers are recommended.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Colorless viscous liquid
ODOR	Polyether
VAPOR PRESSURE	Not available
pH	9-10
VAPOR DENSITY	Not available
BOILING POINT	Not available
MELTING POINT	Not available
SOLUBILITY (H₂O)	Not available
SPECIFIC GRAVITY	0.98
EVAPORATION RATE	Not available
VISCOSITY	3,200 - 11,000 cps @ 75°F
VOC	Not available
PERCENT VOLATILE	< 0.15
OCTANOL/H₂O COEFFICIENT	Not available
FLASH POINT	> 350°F (177°C)
FLASH POINT METHOD	Pensky-Martin Closed Cup
UPPER FLAMMABILITY LIMIT (UFL)	Not available
LOWER FLAMMABILITY LIMIT (LFL)	Not available
BURNING RATE	Not available
AUTO IGNITION	Not available

SECTION X. STABILITY AND REACTIVITY**Chemical Stability**

Stable at room temperature.

Chemical Stability: Conditions to Avoid

Avoid high temperatures. Avoid contact with water. Avoid contamination. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

Incompatibility

Water, alcohols, amines, bases and acids.

Hazardous Decomposition

Carbon oxides, nitrogen oxides, hydrocarbons, HCN and isocyanates.

Possibility of Hazardous Reactions

Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

Acute Dose Effects

A: General Product Information

Severely irritating to eyes, skin and lungs. May cause allergic skin and respiratory reactions. May cause burns. May be harmful if swallowed.

B: Component Analysis - LD50/LC50

Polypropylene glycol (25322-69-4)

Oral LD50 Rat: >2 g/kg

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)

Oral LD50 Rat: 7460 µL/kg

Repeated Dose Effects

No information available on the product. Avoid repeated exposure.

Carcinogenicity

A: General Product Information

No additional information available.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

SECTION XII. ECOLOGICAL INFORMATION

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

SECTION XIII. DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

SECTION XIV. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not regulated as a hazardous material.

TDG INFORMATION: Not regulated as a dangerous good.

SECTION XV. REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes Chronic Health: No Fire: No Pressure: No Reactive: No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	CA	MA	MN	NJ	PA	RI
Polypropylene glycol	25322-69-4	No	No	Yes	No	No	No

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

WHMIS Classification: D2A, D2B

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS#	TSCA	CAN	EEC
Polypropylene glycol	25322-69-4	Yes	DSL	No
Dimethyl silicone polymer with silica	67767-90-7	Yes	DSL	No
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	Yes	DSL	EINECS

SECTION XVI. OTHER INFORMATION

Glossary:

- ACGIH: American Conference of Governmental Industrial Hygienists
- ANSI: American National Standards Institute
- ASTM: American Society for Testing and Materials
- CAS: Chemical Abstract Services
- CFR: Code of Federal Regulations (United States)
- CSA: Canadian Standardisation Association
- DOT: Department of Transportation (United States)
- DSL: Domestic Substances List (Canada)
- EPA: Environmental Protection Agency (United States)
- HMIS: Hazardous Material Information System
- IARC: International Agency for Research on Cancer
- LC50: (Lethal concentration50) Concentration of a substance in air that causes dead of 50% mortality of a defined animal population
- LD50: (Lethal dose50) Single dose of a substance that, when administrated by a define route in an animal assay, is expected to cause the death of 50% of a defined animal population.
- NFPA: National Fire Protection Association (United States)
- NIOSH: National Institute for Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety & Health Administration (United States)
- PEL: Permissible Exposure Limit
- RCRA: Resource Conservation and Recovery Act (United States)

SECTION XVI. OTHER INFORMATION

Glossary:

RTECS: Registry of Toxic Effects of Chemical Substances

TDG: Transportation of Dangerous Goods

TLV: Threshold Limit Value

TWA: Time-weighted average

TSCA: Toxic Substances Control Act (United States)

WHMIS: Workplace Hazardous Materials Information System (Canada)

Reference:

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.

For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

Justification of the update:

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.