

Soprema High Velocity II Insulation Adhesive

Material Safety Data Sheet

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Date Prepared: 4/11/2005

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Replaces: 3/4/2005

Section 1

Chemical Family: Adhesive

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Wadsworth, Ohio 44281

(330) 334-0066

Emergency Phone: CHEMTREC(800) 356-3521

Section 2: Molecular Composition

Common Name and Chemical Name	Exposure Limit	Weight %	CAS Number
Polyurethane Polymer		65.0-99.0	Trade Secret
Diphenylmethane diisocyanate (homopolymer)		5.0-10.0	39310-05-9
Methylenebis phenylisocyanate (MDI)	See Below	1.0-5.0	101-68-8
	ACGIH: TLV: 0.005 ppm; as TWA		
	OSHA PEL: C 0.2 mg/m ³ (0.02 ppm)		
	NIOSH REL: TWA 0.05 mg/m ³ (0.005 ppm)		
	C 0.2 mg/m ³ (0.020 ppm) 10-minute		
	IDLH: 75 mg/m ³		
Methylene Bis (phenylisocyanate) isomers	See Below	<1.0	26447-40-5
	ACGIH: TLV: 0.005 ppm; as TWA		
	OSHA PEL: C 0.2 mg/m ³ (0.02 ppm)		
	NIOSH REL: TWA 0.05 mg/m ³ (0.005 ppm)		
	C 0.2 mg/m ³ (0.020 ppm) 10-minute		
	IDLH: 75 mg/m ³		

Section 3, Hazardous Health Effects

Aggravated Health Effects

Potential Health Effect/Route of Entry

Inhalation of Particulates (spraying) and Fumes: Irritation, coughing spell, wear mask if spraying, and allergic respiratory sensitization.

Eyes: Irritation

Ingestion: Can cause gastrointestinal irritation.

Skin: Can cause irritation, Dermatitis

Acute Health Effects: See Above in and under inhalation of particles and fumes

Section 4- First Aid Measures

Inhalation: Leave area to breathe fresh air. Oxygen therapy may be necessary, seek medical attention if needed. Should be observed by physician immediately if overexposure is severe.

Eyes: Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion: Get medical attention immediately. Do not induce vomiting unless advised by a physician.

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Skin: Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Section 5- Fire Fighting Measures

Flash Point: >350 F (>177°C)
Method: PM cc
Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Auto Ignition Temperature: Not Established
Extinguishing Media: CO₂, Dry Chemical or foam
Fire and Explosion Hazards: N/A

Special Fire Fighting Procedures: During a fire, personnel at the scene are to avoid exposure to fumes using accepted fire fighting techniques. Wear proper firefighting gear including but not limited to SCBA.

Products of Combustion: Hydrocyanic acid, oxides of nitrogen, carbon monoxide, carbon dioxide, and other hydrocarbons

Other Precautions: None

Section 6- Accidental Release Measures

Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Follow all local, state, federal, and provincial regulations for disposal of the spilled material.

Section 7- Handling and Storage

Handling and Storage Precautions:

Store under normal warehouse conditions, and keep away from excessive heat. Prevent ingestion, and contact with skin and eyes. Keep container closed when not in use, because it will cure when exposed to atmospheric moisture. Wear chemical resistant gloves when handling.

Section 8- Physical and Chemical Properties

Odor	Negligible
Color:	White to amber
Physical State:	Viscous Liquid
PH:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point	N/A
Melting Point	N/A
Freezing Point	N/A
Solubility in Water	N/A
Specific Gravity	1.04

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% Volatile <0.15%

Section 9- Reactivity/ Stability

Stability: Stable

Incompatible Products: Avoid contact with water, acids, bases, alcohols, and metal compounds.

Conditions to Avoid Polymerization: Hazardous polymerization will not occur.

Section 10- Toxicological Information

Eyes: See Section 3

Ingestion: " "

Inhalation: " "

Skin: " "

Subchronic: " "

Chronic: " "

Section 11- Ecological Information

Ecotoxicological Data: N/A

Chemical Fate: N/A

Section 12- Disposal Considerations

RCRA Class: N/A

Disposal Method: Not regulated by RCRA. Dispose of in compliance with state and local regulations.

EPA Reportable Quantities N/A

Section 13- Transportation Data

DOT Shipping Name: Not Regulated

DOT Hazard Class: N/A

UN/NA Number: N/A

Packaging Class: N/A

Reportable Quantity (RQ) 5000 Lbs Methylenebis(phenylisocyanate) (MDI)

Section 14- Regulatory Information

TSCA Status On the TSCA Inventory

OSHA Status: Considered hazardous based on the following criteria: Irritant, Sensitizer

Target Organs: Liver, Blood, Reproductive, Lung, Skin, Spleen

OSHA Hazardous Components

CAS Number

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Methylenebis Phenylisocyanate 1101-68-8
Not classified as a carcinogen with NTP, ACGIH, or IARC.
Not regulated as a carcinogen with OSHA.
Classified by IARC in Group 3 (not classifiable as to its carcinogenicity to humans)

Compliance Quantities N/A

SARA 311 Ratings

Immediate Health Hazard	Y
Delayed Health Hazard	Y
Fire Hazard	N
Reactivity Hazard	N
Sudden Release of Pressure Hazard	N

SARA 313 Ingredients CAS Number

Methylene Bis (phenylisocyanate) 101-68-8

Proposition 65 Ingredients

Chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

CAS Number N/A

WHMIS CODES: A/2/D, B/2/D

EC Codes

S2 - Keep out of reach of children
S13 - Keep away from food, drink and animal foodstuff
S15 - Keep away from heat
S20 - When using, do not eat or drink
S23 - Do not breathe vapor
S24 - Avoid contact with skin
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36 - Wear suitable clothing
S37 - Wear suitable gloves
S41 - In case of fire and/or explosion do not breathe fumes
S43 - In case of fire use, CO₂ Dry Chemical or foam and wear proper protective gear
S46 - If swallowed, seek medical advice immediately and show this container or label
S50 - Do not mix with water, acids, bases, alcohols, and metal compounds.
S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label
R36 - Irritating to eyes
R37 - Irritating to respiratory system
R38 - Irritating to skin
R42 - May cause sensitization by inhalation
R43 - May cause sensitization by skin contact

Section 15- Other Information

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION OF THE USER, SUBJECT

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TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORSEEABLE CONDITION. **THE MANUFACTURER AND DISTRIBUTER TAKE NO RESPONSIBILITY FOR THE IMPROPER USE OF THIS PRODUCT.**