

Soprema High Velocity Membrane Adhesive

Material Safety Data Sheet

Membrane Adhesive

Date Prepared: 3/9/2005

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Replaces: 7/22/2004

Section 1: General Information

Chemical Family: Adhesive

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Section 2: Composition and Information on Ingredients

Common Name and Chemical Name	Exposure Limit	Weight %	CAS Number
Asphalt (Bitumen)	NIOSH REL: Ca C 5 mg/m ³ [15-minute] OSHA PEL: none	35.0-60.0	8052-42-4
Polyurethane Polymer	N/A	15.0-40.0	Trade Secret
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	N/A	10.0-30.0	6846-50-0
Polyisobutylene/Butene Copolymer	N/A	5.0-15.0	9003-29-6
Methylenebis phenylisocyanate (MDI)	See Below 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	2.0-6.0	101-68-8
Methylene Bis (phenylisocyanate) isomers	See Below 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	<1.0	26447-40-5

Section 3: Hazardous 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. See Above in 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.

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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.

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 and Explosion Data

Flash Point	300 F (149 ⁰ C)
Method:	PM cc
Lower Flammability Limit:	N/A
Upper Flammability Limit:	N/A
Auto Ignition Temperature:	Not Established
Extinguishing Media:	CO ₂ , Dry Chemical or foam
Fire and Explosion Hazards:	N/A

Special Fire Fighting Procedures: During a fire, personnel at the scene are to prevent 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. Avoid water. 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

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:	Black
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

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Solubility in Water	N/A
Specific Gravity	0.98
% Volatile	<5%

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 local, state, federal and provincial 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

Section 14: Regulatory Information

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- R20 - Harmful by inhalation
- R21 - Harmful in contact with skin
- R22 - Harmful if swallowed
- 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 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.