

Soprema High Velocity Flashing Adhesive

Material Safety Data Sheet

Flashing Adhesive

Date Prepared: 4/11/2005

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Replaces: 7/22/2004

Section 1

Chemical Family: Adhesive

MSDS Preparer: Jonathan Karas

310 Quadral Drive

Wadsworth, Ohio 44281

Phone: (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	N/A	15.0-40.0	Trade Secret
Asphalt (Bitumen)	NIOSH REL: Ca C 5 mg/m ³ [15-minute] OSHA PEL: none	25.0-50.0	8052-42-4
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	See Below	10.0-30.0	6846-50-0
Methylene Bis (phenylisocyanate)	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

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 inhalation of particles and fumes and below

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 Fighting Measures

Flash Point: 300 F (149⁰ 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, and other hydrocarbons can form.

Other Precautions: None known

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/Appearance	Negligible/ Black Viscous Liquid
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
Solubility in Water	N/A

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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
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, 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

TSCA Status On the TSCA Inventory

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

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

OSHA Hazardous Components	CAS Number
Methylenebis(Phenylisocyanate) (MDI)	101-68-8
Asphalt	8052-42-4

Carcinogenicity:

MDI (CAS: 101-68-8, EINECS: 202-966-0) is classified by IARC in Group 3 (not classifiable as to its carcinogenicity to humans)

Asphalt (Bitumen) (CAS: 8052-42-4, EINECS: 232-490-9) is classified by IARC in Group 3 (not classifiable as to its carcinogenicity to humans)

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

Methylene Bis (phenylisocyanate)

CAS Number

101-68-8

Proposition 65 Ingredients:

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

Asphalt 8052-42-4

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

EC Codes

S1-Keep locked up

S2- Keep out of reach of children

S23- Do not breathe vapor

S13 - Keep away from food, drink and animal foodstuff

S15 - Keep away from heat

S20 - When using, do not eat or drink

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

S30 - Never add water to this product

S36 - Wear suitable clothing

S 37- 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

R20 - Harmful by inhalation

R21 - Harmful in contact with skin

R22 - Harmful if swallowed

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- 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.