



Spray-Lining

1-855-545-4900

9 E Lookerman Street
Dover, DE 19901

Section 1, Identification;

Product Name: Isocyanate MDI-I "A" Component

Contact: Chemtrec (800) 424-9300

Section 2, , Composition/information on ingredients;

Hazardous Components	CAS#	ACGIH TLV	OSHA PEL
Aliphatic polyisocyanate	Trade secret	Not Determined	Not Determined
Propylene carbonate	108-32-7	Not Determined	Not Determined

Section 3, Hazards Identification

Emergency Overview:

Routes of Entry: Route Entry Risk Inhalation Possible Ingestion Possible Skin Contact Possible Eye Contact

Possible Potential Health Effects: Inhalation May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals. Ingestion Moderately toxic, cause abdominal cramps, nausea, swelling. Skin Contact Product is a slight skin irritant. May cause swelling and redness. Eye Contact Mild eye irritant. Vapors slightly uncomfortable. Splashes irritating and painful.

Acute Health Hazards: Acute ingestion causes burning of the mouth, throat, and stomach with abdominal pain. Acute inhalation of vapors and mist can cause nasal discharge and pain in the eyes.

Chronic Health Hazards: If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects. Medical Conditions Generally Aggravated by Exposure: Skin and eye sensitization. Depending on individual skin sensitivity, chronic or prolonged exposure may result in irritation, blistering, burning and peeling of skin layers.

Carcinogenicity: OSHA: No data ACGIH: No data NTP: No data IARC: No data Other:

Section 4, First-aid measures

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, seek medical attention.

Skin Contact: Remove from skin immediately. Rinse with clean water for 20-30 minutes. Use soapy water if needed. If redness, itching, or a burning sensation develops, seek medical attention.

Ingestion: Do NOT induce vomiting! Dilute with water and seek medical attention immediately.

Inhalation: Move victim to fresh air immediately. Give oxygen and seek medical attention.

Section 5, Fire-fighting measures;

Flammable Limits: No data

Flash Point, (Method Used): >375° Fahrenheit (Pensky Marten Closed)



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NFPA Hazard Rating:	Health: 4	Hazard Scale	Protective Equipment
	Flammability: 1	0=LEAST	A=SAFETY GLASSES
	Reactivity:1	1=SLIGHT	B=SAFETY GLASSES, GLOVES
	other: D	2=MODERATE	C=SAFETY GLASSES, GLOVES AND APRON
		3=HIGH	D= SAFETY GLASSES, GLOVES, APRON RESPIRATOR
		4=EXTREME	
HMIS Hazard Rating:	Health: 4		
	Flammability: 1		
	Reactivity: 1		
	Protection: D		

Extinguishing Media: Foam/Carbon dioxide/Dry chemical/Water fog

Special Fire Fighting Procedures:

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products exist.

Unusual Fire and Explosion Hazards:

Closed containers may rupture due to build-up of pressure when exposed to extreme heat.

Section 6: Accidental Release Measures

Accidental Release Measures:

Avoid contact with material. Persons not wearing appropriate protective equipment should be excluded until the spill is cleaned up. Stop spill at source, pump liquid to salvage container. Remaining liquid may be taken up on clay, diatomaceous earth, or other absorbent. Treat with 3-8% concentration of ammonium hydroxide or 5-10% sodium carbonate. Add 10 parts neutralizing solution/part isocyanate. Let stand 48 hours.

Section 7: Handling and Storage

Handling & Storage Precautions:

Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Wash with soap and water before eating or drinking. Protect from moisture contamination. Exothermic generation of carbon dioxide may cause dangerous pressure. Keep away from all ignitable sources as well as extreme heat. Do not expose to excessive moisture.



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Section 8, Exposure controls/personal protection;

Ventilation: Adequate ventilation required. Local exhaust may be required in some areas. Special exhausting generally not required. Mechanical exhaust usually adequate. Respiratory Protection: Respiratory masks should be worn at all times when adequate ventilation does not exist. A NIOSH/MSHA respirator is acceptable.

Eye Protection: Chemical tight goggles; full face shield if splashing is possible. Skin Protection: Coveralls and impervious foot covering is recommended.

Other Protective Clothing or Equipment: Use impervious gloves, neoprene or rubber. Work/Hygienic Practices: Good air flow in working area. Eyewash station and safety shower should be available. Gloves and respiratory equipment should be worn at all times.

Section 9, Physical and chemical properties;

General Information

Physical State:	Liquid.
Color:	Colorless to straw yellow.
Odor:	Slightly musty.

Important Health, Safety and Environmental Information

pH:	no data
Boiling Point:	n/a
Melting/Freezing Point:	not determined
Oxidizing Properties:	Not available.
Vapor Pressure:	.00048 mmHg@68oF
Vapor Density (AIR=1):	7.67
Specific Gravity (Water=1):	1.09@ 77° Fahrenheit
Evaporation Rate (Butyl Acetate=1):	No Data
Solubility in Water:	Not soluble (reacts to liberate Co2 gas)

Other Information

Volatile Organic Compounds (VOC):0 grams/liter

Section 10, Stability and reactivity;

Stability: Stable Conditions to Avoid (Stability): Avoid excessive heat, open flame, sparks and strong oxidizing agents. Protect from atmospheric moisture. Replace outage with inert dry nitrogen.

Incompatibility (Materials to Avoid):

Avoid water, acid, base (alkalis, ammonia), alcohols, metal compounds.

Hazardous Decomposition or Byproducts:

Isocyanate vapors or mist, carbon dioxide, carbon monoxide, nitrogen oxides. Hazardous Polymerization: Will not occur under normal circumstances.

Section 11, Toxicological information;

No Data

Section 12, Ecological information;

No Data

Section 13, Disposal considerations;

The product remnants are classified as chemical waste. Dispose of waste according to Local, State Federal, and Provincial Environmental Regulations.



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Section 14, Transport information;

U.S. Department of Transportation

Proper Shipping Name: Methylene diphenyl diisocyanate prepolymer

Hazard Class: Non-regulated in 55 gallon drums, NOI

ID Number:

Packing Group:

Label Statement:

Water Transportation

Proper Shipping Name: Methylene diphenyl diisocyanate prepolymer

Class: Non-Regulated, NOI

ID Number:

Packing Group:

Label Statement:

Air Transportation

Proper Shipping Name: Methylene diphenyl diisocyanate prepolymer

Hazard Class: Non-Regulated, NOI

ID Number:

Packing Group:

Label Statement:

Other Agencies:

Section 15: Regulatory Information

Regulatory Information U.S. Federal Regulations TSCA (Toxic Substance Control Act): Section 12(b)

Export Notification. This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: There are no TSCA 12(b) Chemicals in this product.

CERCLA (Comprehensive Response Compensation and Liability Act): CERCLA section 103(a)

specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product: Chemical Name- See Section 2

SARA Title III (Superfund Amendments and Reauthorization Act): This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

311/312 Hazard Categories: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard: See Section 3

313 Reportable Ingredients: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Chemical Name- See Section 2



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State Regulations: California Proposition 65. The chemical(s) noted below and contained in this product are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at <0.1%: There are no proposition 65 chemicals known to exist in this product.

Section 16, Other information, including date of preparation or last revision.

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State, Provincial, and Local laws.