



Spray-Lining

1-855-545-4900

9 E Loockerman Street
Dover, DE 19901

Section 1, Identification;

Product Name: 1:1 HP Poly B Component

Product Type: Polyol Resin Blend

Contact: Chemtrec (800) 424-9300

Section 2, Hazard(s) identification;

Hazard Description:

Eye - May cause mild irritation. Vapors slightly uncomfortable. Symptoms include stinging, tearing, and redness.

Skin - May cause mild skin irritation. Symptoms include redness and swelling of skin.

Ingestion - Moderately toxic. May cause abdominal cramps, nausea, swelling.

Inhalation - May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.

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.

Section 3, Composition/information on ingredients;

Hazardous Components	CAS#	ACGIH TLV	OSHA PEL	% by Wgt
Isophorone diamine	2855-13-2	Not Determined	Not Determined	
Polyoxypropylene diamine	9046-10-0	Not Determined	Not Determined	
Proprietary Blend	not applicable	Not Determined	Not Determined	

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: Class IIIB

Flash Point, (Method Used):

342° Fahrenheit (Pensky Marten Closed) Autoignition Temperature:

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



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3=HIGH
4=EXTREME

D= SAFETY GLASSES, GLOVES, APRON RESPIRATOR

HMIS Hazard Rating: **Health: 3**
 Flammability: 1
 Reactivity: 0
 Protection: B

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.

Hazardous Decomposition Products:

General fire hazards: Down-wind personnel must be evacuated. Dense smoke is emitted when product is burned without sufficient oxygen. When using water spray, boil-over may occur when product temperature reaches the boiling point of water.

Special hazards in fire: In case of fire, formation of carbon monoxide, carbon dioxide, and nitrogen oxide is possible.

Extinguishing media:

Carbon dioxide, dry powder,
foam and water fog.

The reaction between water and isocyanate may be vigorous

Required special protective equipment for fire-fighters:

Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Fire fighters should avoid inhaling and combustion products.

Section 6, Accidental release measures;

Accidental Release Measures:

Standard hydrocarbon spill procedures apply to this product

Section 7, Handling and storage;

Handling: Avoid skin and eye contact. Avoid inhalation of fumes. Smoking, eating, and drinking are not allowed in the work-place.

Section 8, Exposure controls/personal protection;

Product Name & Exposure Limits: Diphenylmethane 4,4' Dissocyanate
Exposure Limits

ACGIH TLV (United States, 1/2006)

TWA: 0.051 mg/m³ 8 hour/hours

TWA: 0.005 ppm 8 hour/hours



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NIOSH REL (United States, 12/2001)

CEIL: 0.2 mg/m³ 10 minute/minutes

CEIL: 0.02 ppm 10 minute/minutes

CEIL: 0.05 mg/m³ 10 hour/hours

CEIL: 0.005 ppm 10 hour/hours

OSHA PEL (United States, 8/1997)

CEIL: 0.2 mg/m³

CEIL: 0.02 ppm

OSHA PEL 1989 (United States, 3/1989)

CEIL: 0.20 mg/m³

CEIL: 0.02 ppm

Consult local authorities for acceptable exposure limits.

Preventive Measures: Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace. Medical supervision of all employees who handle or come in contact with respiratory sensitizers is recommended. Persons with respiratory problems including asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or skin allergies should be evaluated for their suitability of working with this product. Once a person is diagnosed as sensitized, no further exposure to the material that caused the sensitization should be permitted.

Engineering Controls: Use local exhaust ventilation to maintain airborne concentrations below the TVL. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For general guidance on engineering control measures refer to the ACGIH current edition of 'Industrial Ventilation, a manual of Recommended Practice.' Eyewash fountain and safety shower should be accessible; impervious protective clothing.

Eye Protection: Chemical safety goggles. If there is a potential for splashing, use a full-faced shield. Hands

Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin Protection: The following protective materials are recommended: Gloves—neoprene, nitrile rubber, and butyl rubber. Thin latex disposable gloves should be avoided for repeated or long-term use. Use barrier cream on exposed skin. Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.

Section 9, Physical and chemical properties;

General Information

Physical State:	Liquid.
Color:	Clear yellow.
Odor:	Slightly musty.
Odor Threshold:	Not available.

Important Health, Safety and Environmental Information

pH:	Not applicable.
Boiling Point:	>300 °C (>572 °F) Decomposes.
Melting/Freezing Point:	Not available.
Flash Point:	Closed cup: >110 °C (230 °F).
Explosive Properties:	Not explosive.
Oxidizing Properties:	Not available.
Vapor Pressure:	0.000005 mmHg
Vapor Density (AIR=1):	7.9

Other Information

Auto-ignition temperature:	>316 °C (>600 °F)
Volatile Organic Compounds (VOC):	0 grams/liter

Section 10, Stability and reactivity;



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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.

Section 14, Transport information;

U.S. Department of Transportation

Proper Shipping Name: Poly Amine Resin

Hazard Class: Non-Regulated, NOI

ID Number:

Packing Group:

Label Statement:

Water Transportation

Proper Shipping Name: Poly Amine Resin Hazard

Class: Non-Regulated, NOI

ID Number:

Packing Group:

Label Statement:

Air Transportation

Proper Shipping Name: Poly Amine Resin

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



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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

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.