

**EPOXICAL, INC.**

275 Bridge Point Drive, So. St. Paul, MN 55075

**Material Safety Data Sheet**

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**1. CHEMICAL PRODUCT IDENTIFICATION**

PRODUCT NAME	PRODUCT CLASS	PRODUCT HAZARDS	24 HOUR EMERGENCY ASSISTANCE
Epoxical 840 B Polyurethane Prepolymer		Possible Sensitizer	(800) 424-9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

DESCRIPTION	CAS NUMBER	EXPOSURE LIMITS		LD50	LD50
		TLV	PEL	ORAL	DERMAL
Diphenylmethane Diisocyanate (MDI)	101-68-8	0.005 ppm	0.02 ppm	10,000 mg/kg	NE
MDI mixed isomers	26447-40-5	NE	NE	NE (rat)	NE (rabbit)

NE = not established, TS = trade secret Remaining ingredients are not regulated by OSHA and are considered trade secrets.

**3. HAZARDS IDENTIFICATION**

<b>CHRONIC EFFECTS:</b>	Skin sensitization (dermatitis)	<b>SKIN CONTACT:</b>	Possible skin irritant and sensitizer.
<b>EYE:</b>	Will cause eye irritation.	<b>INGESTION:</b>	Will cause illness.
<b>SKIN ABSORPTION:</b>	Can be absorbed through skin.		
<b>INHALATION:</b>	May cause an allergic reaction.		
<b>HMIS RATING:</b>	<b>HEALTH 2 FLAMMABILITY 1 REACTIVITY 1 PERSONAL PROTECTION D</b>		
<b>CARCINOGENICITY:</b>	Not listed as an IARC, OSHA or ACGIH potential carcinogen.		
<b>SPECIAL PRECAUTIONS IN HANDLING AND STORAGE:</b>	Emergency eyewash stations and safety showers must be close to any area of possible exposure.		

**4. FIRST AID MEASURES**

<b>EYES:</b>	Flush with water immediately. Continue to flush for 30 minutes and obtain emergency medical attention.
<b>SKIN:</b>	Remove and do not reuse contaminated clothing. Wash exposed areas thoroughly with soap and water and flush for ten minutes. It is not recommended to remove resin from skin with solvents. Solvents only increase contact and dry the skin.
<b>INGESTION:</b>	Dilute with water. Do not induce vomiting. Call a Physician immediately.
<b>INHALATION:</b>	Remove to fresh air. If breathing is labored administer oxygen. Call physician.

**5. FIREFIGHTING MEASURES**

<b>FLAMMABILITY:</b>	Combustible liquid	<b>FLASH POINT:</b>	370°F PMCC
<b>LOWER EXPLOSIVE LIMITS:</b>	No data available.	<b>EXTINGUISHING MEDIA:</b>	Foam, water fog, dry chemical, carbon dioxide.
<b>FIRE &amp; EXPLOSIVE HAZARDS:</b>	High temperature will cause combustion.	<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	Use supplied air full face respirators and impervious turn out gear.

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## 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN THE EVENT OF A SPILL:** Remove all possible sources of ignition or polymerization (see Section 5). Equip personnel with proper protection (see Section 7). Dike in spill to prevent from spreading. Collect for disposal. Use absorbent to soak up remainder of liquid and place in open top container. Leave ventilated for 24 hours before disposal. Notify authorities as required by law.

**WASTE DISPOSAL METHOD:** Remove contaminated materials for disposal at a permitted facility using registered transporters. Controlled incineration or buried landfill disposal should be in accordance with all federal, state and local environmental regulations.

## 7. HANDLING, STORAGE, AND PERSONAL PROTECTION

**VENTILATION:** Use and store only with adequate ventilation or use respiratory protection.

**RESPIRATORY:** If vapors are present, use a NIOSH/MSHA approved respirator.

**EYE PROTECTION:** Splash goggles or a full face shield should be worn.

**SKIN PROTECTION:** Do not allow any skin contact. If potential for skin contact is present, impervious protection clothing should be worn.

## 8. PHYSICAL AND CHEMICAL PROPERTIES

<b>VAPOR DENSITY:</b>	Heavier than air	<b>VAPOR PRESSURE:</b>	0.00001 mm Hg at 20°C
<b>SOLUBILITY IN WATER:</b>	Insoluble, Reactive	<b>SPECIFIC GRAVITY:</b>	1.04
<b>APPEARANCE:</b>	Brown Liquid	<b>ODOR:</b>	Slight Aromatic Odor

## 9. STABILITY AND REACTIVITY

**STABILITY:** Stable, will react with amines, hydroxy functional materials (water).

**HAZARDOUS POLYMERIZATION:** Will autopolymerize at very high temperatures only.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes, carbon dioxide, carbon monoxide, acrid smoke.

**CONDITIONS TO AVOID:** Moisture, high heat, amines, strong oxidizers, acids and bases.

**INCOMPATIBILITY:** Alcohol, strong acids, bases and oxidizers.

## 10. TRANSPORTATION AND REGULATORY INFORMATION

**DEPARTMENT OF TRANSPORTATION 49CFR172.101-102 CLASSIFICATION:** Not Hazardous

**DOT/IATA SHIPPING NAME:** Liquid Plastic, N.O.S **REQUIRED DOT LABEL:** None

**TCSA:** Components of this product are listed on the EPA/TCSA inventory of chemical substances.

**SARA/TITLE III Section 311/312:** Immediate health hazard, delayed health hazard, reactive hazard.

**Section 313 Listed Chemicals:** 4, 4' - Diphenylmethne Diisocyanate (MDI) (CAS 101-68-8)=Upper Bound 12.0%

This information contained above is given in good faith based on the best data available at this time. No warranty, expressed or implied is made. User assumes full responsibility for determining appropriate use and application of the product. Consult Epoxical, Inc. for further information.

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