

1. MATERIAL IDENTIFICATION

Product Name: EC-401

Product Code: 401

Intended Use: Liquid Epoxy Hardner

Manufacturer: Epoxycure Corporation
1200 Woodruff Road, A-3
Greenville, SC 29607

Telephone Number: LOCAL: (864) 678-4732
TOLL FREE: (866) 337-1977

Emergency Telephone: (800) 255-3924 CHEM-TEL

Date Revised: September 19, 2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description	CAS Number	EXPOSURE LIMITS		OSHA	
		ACGIH		PEL	STEL
		TWA	STEL		
Benzyl Alcohol	100-51-6	NE	NE	NE	NE
m-Xylylenediamine	1477-55-0	NE	0.1 mg/m3	NE	0.1 mg.m3
Isophoronediamine	2855-13-2	NE	NE	NE	NE

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

Toxicological Information: Acute Oral effects (LD 50) (Rat) Greater than 930 mg/kg.
(components)

3. HAZARDS IDENTIFICATION

CHRONIC EFFECTS: No delayed test data is known.

EYE: Corrosive to eyes.

SKIN ABSORPTION: Can be absorbed through skin.

SKIN CONTACT: Corrosive to skin. Can cause sensitization and dermatitis.

INHALATION: Harmful if swallowed.

HMIS RATING: HEALTH 3 FLAMMABILITY 1 REACTIVITY 0 PERSONAL PROTECTION C

CARCINOGENICITY: Not reviewed as an IARC, NTP, or OSHA potential carcinogen.

EMERGENCY OVERVIEW: Corrosive to eyes and skin. Harmful if swallowed, inhaled or absorbed through the skin. Can cause sensitization and dermatitis.

SPECIAL PRECAUTIONS IN HANDLING AND STORAGE:	Emergency eyewash stations and safety showers must be close to any area of possible exposure.
SIGNS AND SYMPTOMS OF EXPOSURE (Acute Effects):	Vapors may cause headache, dizziness and nausea.
SIGNS AND SYMPTOMS OF EXPOSURE (Possible Longer Term Effects):	Overexposure to this material can cause chemical burns to skin and eyes and may cause central nervous system depression. Can cause allergic skin and respiratory reactions.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Allergy, eczema or skin conditions.

4. FIRST AID MEASURES

EYES:	For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for an additional 15 minutes. Get immediate medical attention.
SKIN:	For skin contact, under a safety shower, immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water and soap if available, for at least fifteen minutes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.
INGESTION:	If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.
INHALATION:	If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and if available, give supplemental oxygen.

5. FIREFIGHTING MEASURES

FLASH POINT:	117 C° (243° F)
FLASH POINT METHOD USED:	Closed Cup
EXTINGUISHING MEDIA:	Foam, water spray, dry chemical, carbon dioxide.
SPECIAL FIREFIGHTING PROCEDURES:	Use self-contained breathing apparatus.
FIRE AND EXPLOSION HAZARDS:	Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water. This product may be toxic to fish; prevent run off to sewers, streams, lakes and other bodies of water.

WASTE DISPOSAL METHOD: Dispose in accordance with all federal, state and local environmental regulations.

7. HANDLING, STORAGE AND PERSONAL PROTECTION

STORAGE: Store in tightly closed containers in cool, dry area to prevent moisture absorption and carbon dioxide contamination.

HANDLING: Do not get in eyes, on skin or clothing. Do not breathe vapor, mist or spray. Use Only with good ventilation. Individuals should wash thoroughly after handling. For industrial use only.

VENTILATION: Good general mechanical ventilation. Local exhaust recommended.

RESPIRATORY: Organic chemical cartridge respirator, if needed.

EYE PROTECTION: Splash-proof chemical goggles. Full face-shield recommended.

SKIN PROTECTION: Wear impervious gloves.

WORK AND HYGIENIC PRACTICES: Wear protective equipment to prevent exposure and personal contact.

8. PHYSICAL AND CHEMICAL PROPERTIES

DENSITY: 1.05 g/cm³ at 25 °C (77° F)

VAPOR PRESSURE: <2 Pa at 20° C (68° F)

SOLUBILITY IN WATER: Partly Soluble

APPEARANCE: Yellow

ODOR: Amine

PHYSICAL FORM: Liquid

BOILING POINT: 175° C (347° F)

9. STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, nitrogen oxides, carbon monoxide, and Aldehydes.

INCOMPATIBILITY: Strong acids, bases and oxidizers.

10. TRANSPORTATION AND REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION 49CFR172.101-102 CLASSIFICATION: Hazardous
DOT SHIPPING NAME: Corrosive liquid, basic, organic, N.O.S. **REQUIRED DOT LABEL:** Corrosive
(m-Xylylenediamine, Isophoronediamine), 8, UN2289, PGIII

RCRA: Not a hazardous waste under RCRA (40 CFR 261)

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

SARA/TITLE III Section 304: Not listed **Section 313 Listed Chemicals:** None

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 Epoxyure Corporation for further information.

Revised: July 2001