

J-B WELD COMPANY

Phone 214/885-7696

P.O. Box 483

Sulphur Springs, Texas 75482

8280

MATERIAL SAFETY DATA SHEET

U.S. CHEMICAL & PLASTICS

1446 W. TUSCARAWAS ST. • CANTON, OHIO 44706

PHONE: (216) 455-4311



CHEMICAL NAME

SECTION I IDENTIFICATION OF PRODUCT

TRADE NAME Epoxy Steel Hardener	PRODUCT CODE 48105 48008 48171
SYNONYM OR CROSS REFERENCE Epoxy Hardener	PROPER SHIPPING NAME Resin Solution

SECTION II HAZARDOUS INGREDIENTS

MATERIAL Polyamide Resin Polyamine See Page 3	NATURE OF HAZARD Eye & respiratory tract irritant Eye & respiratory tract irritant
--	--

SECTION III PHYSICAL DATA

BOILING POINT N/A	MELTING POINT N/A
VAPOR PRESSURE N/A	SPECIFIC GRAVITY 1.15
VAPOR DENSITY (AIR = 1) >1	PERCENT VOLATILE BY VOLUME (%) 95%
WATER SOLUBILITY not soluble	EVAPORATION RATE (ethyl ether = 1) <
APPEARANCE White Paste	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) COC 350°F	FLAMMABLE LIMITS N.E.	Lower -	Upper -
FIRE EXTINGUISHING MEDIA Water, CO ₂ , Dry Chemical	SPECIAL FIRE-FIGHTING PROCEDURES Self contained breathing apparatus with full face piece		
UNUSUAL FIRE AND EXPLOSION HAZARD Unknown			

SECTION V HEALTH HAZARD

THRESHOLD LIMIT VALUE Product threshold not established. Component TLV-5ppm.

HEALTH HAZARDS Overexposure may be irritating to skin and eyes and respiratory system. Prolonged or repeated exposure may cause asthma, skin sensitization, or other allergic response.

FIRST AID PROCEDURES

- EYES: Immediately flush with water, call physician.
- SKIN: Immediately wash with soap and water. If irritation continues call physician.
- INHALATION: Remove victim to fresh air, apply artificial respiration if necessary, call physician.
- INGESTION: Do not induce vomiting, administer milk or water if victim is conscious. Call physician.

J-B WELD COMPANY
 Phone 214/885-7696
 P. O. Box 483
 Sulphur Springs, Texas 75482

(Essentially similar to OSHA Form 20)

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Open flames, sparks, excessive heat (over 100° F) and/or contact with acids or alkalis.
	STABLE	X	

INCOMPATIBILITY (materials to avoid)
Strong acids, amines, or amides

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon Dioxide, Carbon Monoxide, Toxic Fumes

HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID Strong acids, alkalis, epoxy resins, direct contact under uncontrolled conditions
	WILL NOT OCCUR		

SECTION VII SPILL AND DISPOSAL PROCEDURES

SPILLS Pick up large spills with inert absorbants and place in proper container for disposal. Wash and clean up small spills with water and detergent.

DISPOSAL Disposal must comply with Local, State, and Federal Regulations.

SECTION VIII PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) If TLV is exceeded, NIOSH approved respiratory mask is recommended.

VENTILATION Use in well ventilated area	LOCAL Exhaust	SPECIAL See Section IX
	MECHANICAL (general) Acceptable	OTHER

PROTECTIVE GLOVES Neoprene or equivalent	EYE PROTECTION Goggles
---	---------------------------

OTHER PROTECTIVE EQUIPMENT
Safety shower and eye wash fountain should be available

SECTION IX HANDLING AND STORAGE PRECAUTIONS

STORAGE & HANDLING Keep away from extreme heat, open flames, or other source of ignition. Do not store above 100° F. Use with adequate ventilation.
Danger: Avoid contact with eyes, avoid breathing vapors.

MISCELLANEOUS
Do not flame cut, braze, weld, or melt empty container.

MATERIAL SAFETY DATA SHEET
U.S. CHEMICAL & PLASTICS
 W. TUSCARAWAS ST. • CANTON, OHIO 44706
 PHONE: (216) 455-4311

PRODUCT RATING

HMIS LABEL CODE:

0 = least hazard to
 4 = greatest hazard

HEALTH

FLAMMABILITY

REACTIVITY

2

1

1

J B Weld

PRODUCT: Epoxy Steel Hardener

SECTION II - LIST OF INGREDIENTS

	Weight % Range:	CAS #	TLV/PEL
Polyamide Resin	20-25%	N.E.	N.E.
Aliphatic Polyamine	1-6%	N.E.	N.E.
Furfuryl Alcohol	2-7%	98-00-0	ACGIH TLV-5ppm OSHA PEL-50ppm
Limestone	35-40%	1317-65-3	ACGIH TWA-10mg/m ³ OSHA PEL-15MPPCF
Barium Sulfate	22-27%	7727-43-7	ACGIH TWA-10mg/m ³ OSHA PEL-15 MPPCF
Magnesium Silicate	2-7%	14807-96-6	ACGIH TWA-2mg/m ³ OSHA PEL-20 MPPCF
Titanium Dioxide	1-6%	13463-67-7	ACGIH TWA-10mg/m ³ OSHA PEL-15mg/m ³
All other ingredients are less than 1% and are non-hazardous or trade secrets.			
CARCINOGENICITY	NTP	LARC	OSHA
None			
N.E. not established			
PMC:dw_ 3/23/87			