

Phone 214/883-7696

P. O. Box 483

Sulphur Springs, Texas 75482 1446 W. TUSCARAWAS ST. • CANTON, OHIO 44706

U.S. CHEMICAL & PLASTICS

PHONE: (216) 455-4311



Prepared 3/23/87

SECTION I IDENTIFICATION OF PRODUCT

TRADE NAME Epoxy Steel Resin	PRODUCT CODE 48170 48102 48009
SYNONYM OR CROSS REFERENCE Epoxy Resin	PROPER SHIPPING NAME Resin Solution

SECTION II HAZARDOUS INGREDIENTS

MATERIAL Bisphenol A-Epichlorohydrin Resin See Page 3	NATURE OF HAZARD Eye and Skin Irritant 82655 8280
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SECTION III PHYSICAL DATA

BOILING POINT N/A	MELTING POINT N/A
VAPOR PRESSURE N/A	SPECIFIC GRAVITY 1.17
VAPOR DENSITY (AIR = 1) > 1	PERCENT VOLATILE BY VOLUME (%) Unknown
WATER SOLUBILITY Not Soluble	EVAPORATION RATE (ethyl ether = 1) <
APPEARANCE Dark Smooth Paste	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) COC 200°F	FLAMMABLE LIMITS N/A	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 TLV not established. Component TLV is 5mg/m ³
HEALTH HAZARDS May cause skin sensitization or allergies to susceptible individuals. May cause temporary eye irritation.	

FIRST AID PROCEDURES

- EYES: Flush with excess water, call physician.
- SKIN: Wash with soap and water, if irritation continues call physician.
- INHALATION: Remove patient to fresh air, apply artificial respiration if necessary, call physician.
- INGESTION: Induce vomiting and call physician.

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(Essentially similar to OSHA Form 20)

SECTION VI REACTIVITY DATA		
STABILITY	UNSTABLE	
	STABLE	X

CONDITIONS TO AVOID Open flames, sparks, heat (above 100°F) and/or contact with strong oxidizing agents or alkalies.

INCOMPATIBILITY (materials to avoid)

Strong acids, strong oxidizing agents, or strong alkalies

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Acrid Fumes

HAZARDOUS POLYMERIZATION	MAY OCCUR	
	WILL NOT OCCUR	X

CONDITIONS TO AVOID Strong acids and amines and amides

SECTION VII SPILL AND DISPOSAL PROCEDURES

SPILLS Pick up large spills with absorbants and place in proper container for disposal. Small spills, wash and clean with soap and water.

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

SECTION VIII PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) If TLV is exceeded, use NIOSH approved respirator.

VENTILATION Use in well ventilated area.	LOCAL Exhaust	SPECIAL See Section IX
	MECHANICAL (general) Acceptable	OTHER
PROTECTIVE GLOVES Neoprene or equivalent recommended	EYE PROTECTION Goggles recommended	

OTHER PROTECTIVE EQUIPMENT

Safety showers and eye wash fountains should be available

SECTION IX HANDLING AND STORAGE PRECAUTIONS

STORAGE & HANDLING Keep away from extreme heat, open flames, or other sources of ignition. Use with adequate ventilation.

Danger: Avoid contact with eyes and avoid breathing vapors.

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

Date issued: 3/23/87

Revision:

PMC

The information in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued.

MATERIAL SAFETY DATA SHEET

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PRODUCT RATING

HMIS LABEL CODE:

0 = least hazard to
 4 = greatest hazard

HEALTH

FLAMMABILITY

REACTIVITY

J B Weld

PRODUCT: Epoxy Steel Resin

SECTION II - LIST OF INGREDIENTS

	Weight % Range:	CAS #	TLV/PEL
Epoxy Resin	37-42%	25068-38-6	N.E.
Limestone	36-41%	1317-65-3	ACGIH TWA-10mg/m ³ OSHA PEL-15MPPCF
Iron Powder	15-20%	N.E.	ACGIH TLV-15mg/m ³ OSHA PEL-15 MPPCF
Aluminum Powder	1-5%	7429-90-5	ACGIH TLV-5mg/m ³ OSHA PEL-15 MPPCF
All other ingredients are less than 1%, non-hazardous, or trade secrets.			
CARCINOGENICITY	NTP	IARC	OSHA
None			
N.E.: not established N/A not applicable			
PMC:dw 3/23/87			
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