

SECTION 1 - MANUFACTURER INFORMATION

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MANUF/DIST : CHEM-POWER MFG DIV/ FOSTER AND COMPANY, INC.  
15 Wing Drive EMERGENCY PHONE.....: 973-267-4100  
Cedar Knolls PREPARATION/REVISION DATE: 02/14/02  
NJ 07927

PREPARER/CONTACT: Gary Adams, Chemist

LOCATION : Whs 1

TRADE NAME/SYNONYMS...: ZICROM STEEL  
CHEMICAL NAME/SYNONYMS: Epoxy-steel Repair Paste  
CHEMICAL FAMILY.....: Epoxy & polymercaptan resin  
FORMULA.....: Mixture  
PRODUCT CODE.....: 514-203

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 1 \*  
\* FLAMMABILITY.. 0 \*  
\* REACTIVITY.... 0 \*  
\* PROTECTION.... B \*  
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SECTION 2 - HAZARDOUS INGREDIENTS

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THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
2,4,6-tri(dimethylaminomethyl) phenol	90-72-2	1.5	TWA 8 hr	5 ppm
Epoxy resin (diglycidyl ether of bisphenol A)	25068-38-6	10-30	N/I	N/I
Crystalline Silica	14808-60-7	1-5	N/I	N/I

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA):YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
Silica (crystalline quartz) Probable carcinogen if inhaled as a respirable dust. Take precautions if grinding or sanding this product.	14808-60-7	1-5	N/A	N/A	yes

SECTION 3 - HEALTH HAZARD DATA

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HEALTH EFFECTS (Acute And Chronic)-  
No chronic effects expected.  
INHALATION: None, non-volatile.  
INGESTION: No information available.

SKIN CONTACT: Possible sensitizer.  
EYE CONTACT: Possible sensitizer.

PRIMARY ROUTES OF ENTRY-  
Skin contact, eye contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-  
None known.

EMERGENCY FIRST AID PROCEDURES-

INHALATION: N/A

INGESTION: Induce vomiting, call physician or poison control center.

SKIN CONTACT: Wash with soap and water; consult physician if any irritation or symptoms of injury persist.

EYE CONTACT: Flush with water for 15 minutes, call physician.

#### SECTION 4 - CHEMICAL DATA

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BOILING POINT (F).....: N/I  
VAPOR PRESSURE (mmHg): Nil  
VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY (WATER=1).....: 1.9  
PERCENT VOLATILE BY VOLUME (%).....: 0.0%  
EVAPORATION RATE (Butyl acetate =1): Nil

SOLUBILITY IN WATER-  
Nil

APPEARANCE AND ODOR INFORMATION-  
Gray putty with mercaptan odor until set, then odorless solid.

#### SECTION 5 - PHYSICAL HAZARD DATA

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FLASH POINT (Method Used): None

FLAMMABLE LIMITS : Lel=N/A UEL=N/A

EXTINGUISHING MEDIA-  
Water spray, any convenient.

SPECIAL FIRE FIGHTING PROCEDURES-  
None deemed necessary.

UNUSUAL FIRE AND EXPLOSION HAZARDS-  
None known.

INCOMPATIBILITY (Materials To Avoid)-  
None known.

HAZARDOUS DECOMPOSITION PRODUCTS-  
Carbon monoxide, aldehydes, acids, oxides of Sulfur and Nitrogen.

WILL HAZARDOUS POLYMERIZATION OCCUR-  
Not known to occur.

CONDITIONS TO AVOID FOR POLYMERIZATION-  
None known.

IS THE PRODUCT STABLE-  
Yes, the product is stable.

CONDITIONS TO AVOID FOR STABILITY-  
None known.

SECTION 6 - SPILL OR LEAK PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Allow to set, scrape up.

WASTE DISPOSAL METHODS-  
Not deemed a hazardous waste use normal waste disposal source for solids.

SECTION 7 - EXPOSURE CONTROL INFORMATION  
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VENTILATION-  
LOCAL EXHAUST: N/A  
SPECIAL.....: N/A  
MECHANICAL (General): N/A  
OTHER.....: N/A

RESPIRATORY PROTECTION-  
NIOSH approved dust protection if sanding or grinding this material as silica dust is a contributor to lung tumors and "miner's asthma".

PROTECTIVE GLOVES-  
Polyethylene for repeated or prolonged use.

OTHER PROTECTIVE EQUIPMENT-  
Safety Glasses.

OTHER ENGINEERING CONTROLS-  
None deemed necessary.

WORK PRACTICES-  
N/A

HYGIENIC PRACTICES-  
Wash hands after use and before eating or using lavatory facilities.

SECTION 8 - SPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-  
Store at ambient conditions. Avoid skin and eye contact. Keep away from air ie. Keep container closed and/or wrapped.

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MATERIAL SAFETY DATA SHEET 00115  
CHEM-POWER DIV/FOSTER & CO

PAGE 4

MAINTENANCE PRECAUTIONS-  
Keep dry.

OTHER PRECAUTIONS-  
Keep out of reach of children.

ADDITIONAL COMMENTS-  
Shipping name: Consumer Commodity. Class 55.