

SECTION 1 - MANUFACTURER INFORMATION

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 II (Part 2 of 2 MSDS)  
CHEMICAL NAME/SYNONYMS: 2 Part Epoxy Patch System/Standard Cure  
CHEMICAL FAMILY.....: Amido Amine (Hardener)  
FORMULA.....: Complex Mixture  
PRODUCT CODE.....: 514-205

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Triethylene Tetramine (TETA)	112-24-3	<3	None est	None est
Tetraethylene Pentamine (TEPA)	12-57-2	<3	None est	None est
Tris 2,4,6 Dimethylamino Methyl Phenol	90-70-2	<10	None est	None est

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA):NO

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
N/A	N/A	N/A	N/A	N/A	N/A

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

Ingestion: Liquid causes severe damage to mucous membrane.  
Inhalation: High concentration of vapors can cause irritation of eyes and respiratory tract.  
Skin Contact: Will cause irritation and burns.  
Eye Contact: Will cause irritation and burns, possibly permanent injury.  
Chronic Effects of Overexposure: Can cause skin irritation, dermatitis, asthma, or other allergic responses.  
NOTE: As provided by Foster and Company in a small, closed, two part system,

it is unlikely that anyone can accidentally be over-exposed to either part or the mixture.

PRIMARY ROUTES OF ENTRY-  
Skin, eyes, inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-  
Pre-existing skin and lung conditions may be aggravated by over-exposure.

EMERGENCY FIRST AID PROCEDURES-  
EYE Contact: Flush with plenty of water for at least 15 minutes and seek medical attention.  
SKIN Contact: Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Clean all contaminated clothing. Leather articles can't be cleaned.  
INGESTION: If appreciable quantities are swallowed, seek medical attention. DO NOT induce vomiting. Give milk or water to drink. Call physician.  
INHALATION: Remove person to fresh air. Administer oxygen and get medical attention if necessary.

SECTION 4 - CHEMICAL DATA

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BOILING POINT (F).....: >400F	SPECIFIC GRAVITY (WATER=1).....: 1.5
VAPOR PRESSURE (mmHg): <1mmHg	PERCENT VOLATILE BY VOLUME (%): 0
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE (N-Butanol =1): Nil

SOLUBILITY IN WATER-  
Slight.

APPEARANCE AND ODOR INFORMATION-  
Tan paste. Amine odor.

SECTION 5 - PHYSICAL HAZARD DATA

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FLASH POINT (Method Used): 124F                      FLAMMABLE LIMITS : Lel=N/A    UEL=N/A

EXTINGUISHING MEDIA-  
Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

SPECIAL FIRE FIGHTING PROCEDURES-  
Wear self-contained breathing apparatus and complete personal protection equipment. Remove all ignition sources Use a water spray to cool fire exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS-  
Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Toxic fumes will be evolved if this material burns.

INCOMPATIBILITY (Materials To Avoid)-  
Strong oxidizing agents, mineral acids (eg. sulphuric, hydrochloric), uncontrolled curing with epoxy resins in masses greater than 1/2 inch thick.

HAZARDOUS DECOMPOSITION PRODUCTS-  
Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide, and oxides of nitrogen.

WILL HAZARDOUS POLYMERIZATION OCCUR-  
Will not occur.

CONDITIONS TO AVOID FOR POLYMERIZATION-  
Excessive heat.

IS THE PRODUCT STABLE-  
Yes.

CONDITIONS TO AVOID FOR STABILITY-  
Excessive heat.

SECTION 6 - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways. Avoid contact with material. Exclude persons not wearing protective equipment.

WASTE DISPOSAL METHODS-  
Incinerate or use biological treatment in accordance with federal, state and local regulations. This material is not defined as a hazardous waste under current RCRA regulations.

SECTION 7 - EXPOSURE CONTROL INFORMATION

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VENTILATION-  
LOCAL EXHAUST: maintain TLV  
SPECIAL.....: N/A  
MECHANICAL (General): maintain TLV  
OTHER.....: N/A

RESPIRATORY PROTECTION-  
Wear a properly fitted NIOSH/OSHA approved respirator whenever exposure to vapor/mist is likely unless levels are below applicable limits.

PROTECTIVE GLOVES-  
For operations where contact can occur, wear gloves impervious to solvents.

OTHER PROTECTIVE EQUIPMENT-  
For operations where contact can occur, coveralls, apron and rubber foot coverings are recommended. A safety shower and eye wash should be available. Chemical splash goggles.

OTHER ENGINEERING CONTROLS-  
N/I

WORK PRACTICES-  
Apply only in well ventilated areas. Avoid skin contact, wash after using.

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

SECTION 8 - SPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-  
Avoid contamination of skin. Remove and thoroughly launder contaminated clothing before reuse. Discard contaminated shoes. Apply only in well ventilated areas. Curing in mixing container may generate heat and harmful vapors.

MAINTENANCE PRECAUTIONS-  
N/I

OTHER PRECAUTIONS-  
KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-  
Shipping Name: Not regulated. Manufacturer's ID: 04-2385201.  
See MSDS 00255 for part 1 of 2 MSDS for product 514-205.