

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : CHEM-POWER MFG DIV/ FOSTER & CO., 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...: DRY ACID DESCALER
CHEMICAL NAME/SYNONYMS: Boiler Scale Remover
CHEMICAL FAMILY.....: Mild Acid Cleaner
FORMULA.....: Amidosulfonic Acid based
PRODUCT CODE.....: 14-07

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

* * * * *
* HEALTH..... 2 *
* FLAMMABILITY.. 0 *
* REACTIVITY.... 0 *
* PROTECTION.... B *
* * * * *

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Sulfamic Acid, tech granular*	5329-14-6	>98	N/ I	1mg/m3
typical assay contains:				
Sulfamic Acid		92.2		
Sulfuric Acid		3.5		
Ammonium Bisulfate		3.5		

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)-
Causes eye burns; causes irritation of nose, throat and skin.

PRIMARY ROUTES OF ENTRY-
Eyes, skin.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

EMERGENCY FIRST AID PROCEDURES-

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

SKIN CONTACT: Flush skin with plenty of water.

IF SWALLOWED: Drink a lot of water. Call a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.

SECTION 4 - CHEMICAL DATA

.....

BOILING POINT (F).....: N/A

SPECIFIC GRAVITY (WATER=1).....: 1.05

VAPOR PRESSURE (mmHg): N/I

PERCENT VOLATILE BY VOLUME (%): N/A

VAPOR DENSITY (AIR=1): N/I

EVAPORATION RATE (N/A =1): N/A

SOLUBILITY IN WATER-

25gm/100gm

APPEARANCE AND ODOR INFORMATION-

White crystalline solid, no odor.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): N/A

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

EXTINGUISHING MEDIA-

Water, alcohol foam, CO2, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES-

Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

Sulfur dioxide and Sulfur trioxide and Ammonia may be released in fire. Decomposes at 209 degrees Centigrade.

INCOMPATIBILITY (Materials To Avoid)-

Can have a hazardous reaction with Chlorine, Hypochlorous Acid, Sodium Hypochlorite.

HAZARDOUS DECOMPOSITION PRODUCTS-

Sulfur dioxide and Trioxides, nitrogen, sulfuric acid, ammonia.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No.

CONDITIONS TO AVOID FOR POLYMERIZATION-

N/A

IS THE PRODUCT STABLE-

Yes.

CONDITIONS TO AVOID FOR STABILITY-
Heat, Oxidizing and reducing agents. Nitrates, Nitrites.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Shovel into non-metallic containers and prepare for disposal. Flush
small residue with copious amount of warm/hot water. Prevent entry into
any surface water or watercourse.

WASTE DISPOSAL METHODS-
Consult local, state and federal authorities.

SECTION 7 - EXPOSURE CONTROL INFORMATION
.....

VENTILATION-
LOCAL EXHAUST: Good general. MECHANICAL (General): N/I
SPECIAL.....: N/A OTHER.....: N/A

RESPIRATORY PROTECTION-
Dust mask helpful.

PROTECTIVE GLOVES-
Rubber, neoprene, vinyl.

OTHER PROTECTIVE EQUIPMENT-
Chemical goggles, safety shower and eyewash.

OTHER ENGINEERING CONTROLS-
N/I

WORK PRACTICES-
Avoid breathing dust, avoid skin contact, wash after using.

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

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-
Store in cool, dry place. Keep container closed.

MAINTENANCE PRECAUTIONS-
N/A

OTHER PRECAUTIONS-
KEEP OUT OF REACH OF CHILDREN! Use with adequate ventilation. Wash
thoroughly after handling.

06-03-02
CSS-14038

MATERIAL SAFETY DATA SHEET 00109
CHEM-POWER DIV/POSTER & CO

PAGE 4

ADDITIONAL COMMENTS-

Shipping Name: Sulfamic Acid Powder, Hazard Class 8, UN-2967,
Packing Group 111, CORROSIVE label required.
FOR TRANSPORTATION EMERGENCY ONLY, CALL INFOTRAC 1-800-535-5053.