

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...: CHEM-CRETE
CHEMICAL NAME/SYNONYMS: Concrete Remover
CHEMICAL FAMILY.....: Hydrochloric Acid Cleaning Compound
FORMULA.....: Mixture
PRODUCT CODE.....: 14-39

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

* * * * *
* HEALTH..... 3 *
* FLAMMABILITY.. 0 *
* REACTIVITY... 1 *
* PROTECTION.... H *
* * * * *
.

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
*Hydrochloric Acid	7647-01-0	20	N/A	5 PPM
Tributoxyethyl phosphate	78-51-3	2	N/A	N/E
*this ingredient is reportable under EPA SARA Title 111-please check applicable states for additional regulations. (for gas only)				
Water	7732-18-5	60-80	None	None

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

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

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-
CORROSIVE: Irritant to skin, eyes and mucous membranes. Overexposure leads to tissue destruction (burns) on affected area.
INGESTION: Severe burns in mouth, esophagus, intestinal tract.
Fumes are extremely irritating and can cause injury to lungs and respiratory

tract.

PRIMARY ROUTES OF ENTRY-
Skin, inhalation, eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
Respiratory disorders would be aggravated by exposure to vapors.

EMERGENCY FIRST AID PROCEDURES-

EYES AND SKIN: Speed of removal is important. Immediately flush with water for 15 minutes. For eyes alternately hold lids open to ensure rinse of the entire eye surface. Get medical attention. IF INGESTED: DO NOT induce vomiting. If available give milk of magnesia or milk or baking soda solution in plenty of water. If these are not available, give large quantity of water. Call poison control center or physician at once.

INHALATION: Move to uncontaminated area. Call for medical help at once. Keep airway open until assistance is obtained.

SECTION 4 - CHEMICAL DATA

.....

BOILING POINT (F).....: 215+	SPECIFIC GRAVITY (WATER=1),.....: 1.12
VAPOR PRESSURE (mmHg): 760mm	PERCENT VOLATILE BY VOLUME (%).....: 97
VAPOR DENSITY (AIR=1): app 1	EVAPORATION RATE (water =1): 1

SOLUBILITY IN WATER-
Infinite.

APPEARANCE AND ODOR INFORMATION-
Clear Blue-green liquid with pungent sour odor.

SECTION 5 - PHYSICAL HAZARD DATA

.....

FLASH POINT (Method Used): None FLAMMABLE LIMITS : Lel=N/A UEL=N/A

EXTINGUISHING MEDIA-
N/A

SPECIAL FIRE FIGHTING PROCEDURES-

Self-contained breathing apparatus if Chem-Crete was vaporized or spilled in area where fire occurs. Keep containers cool to prevent boiling and subsequent release of corrosive, poisonous gas.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

Reacts with metals on contact to produce Hydrogen which may form explosive mixture with air. Boiling releases corrosive gases which are extremely irritating to breathe and to the eyes.

INCOMPATIBILITY (Materials To Avoid)-

Reducing agents and alkalies, Aluminum, Magnesium and Zinc (galvanized).

HAZARDOUS DECOMPOSITION PRODUCTS-
Hydrogen Chloride gas, small amounts of phosphorous oxides.

WILL HAZARDOUS POLYMERIZATION OCCUR-
No.

CONDITIONS TO AVOID FOR POLYMERIZATION-
None known.

IS THE PRODUCT STABLE-
Yes.

CONDITIONS TO AVOID FOR STABILITY-
Heat.

SECTION 6 - SPILL OR LEAK PROCEDURES
.....

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Wear proper equipment. Dike spill and neutralize with Soda Ash of Lime.
Flush with plenty of water.

WASTE DISPOSAL METHODS-
Consult Federal, State and local authorities. Should be limited hazard
when neutralized. Triple rinse containers and give to licensed reconditioner.

SECTION 7 - EXPOSURE CONTROL INFORMATION
.....

VENTILATION-
LOCAL EXHAUST: N/I
SPECIAL.....: Acid gas canister. MECHANICAL (General): At points.
OTHER.....: Hard hat.

RESPIRATORY PROTECTION-
NOISH approved for acid fumes.

PROTECTIVE GLOVES-
Rubber, neoprene, polyethylene.

OTHER PROTECTIVE EQUIPMENT-
Face shield, Rubber boots, apron. Safety shower and eyewash facility.

OTHER ENGINEERING CONTROLS-
N/I

WORK PRACTICES-
Do not touch face with gloves when contaminated with this product.

HYGIENIC PRACTICES-
N/I

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Store in cool place away from caustics or other reducing agents.

MAINTENANCE PRECAUTIONS-

N/A

OTHER PRECAUTIONS-

Never put in aluminum, zinc or magnesium container. KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-

Shipping Name: Hydrochloric Acid Solution, Hazard Class 8, UN-1789,
Packing group 11, CORROSIVE label required.

FOR TRANSPORTATION EMERGENCY ONLY, CALL INFOTRAC 1-800-535-5053.