

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 II
CHEMICAL NAME/SYNONYMS: Acid Cleaner, Descaler
CHEMICAL FAMILY.....: Acid Cleaner, Hydrochloric Acid based.
FORMULA.....: Mixture
PRODUCT CODE.....: 14-25

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
*Hydrochloric Acid	7647-01-0	<15	N/A	5 PPM
Citric Acid (USP)	77-92-9	<3	N/A	N/E
Nonylphenoxypolyethoxyethanol	26027-38-3	<2	N/A	N/E
Water (non-hazardous)	7732-18-5	>80	N/I	N/I

*this ingredient is reportable under EPA
SARA Title 111-please check applicable
states for additional regulations.
(for gas only)

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)-
CORROSIVE: SEVERE IRRITANT TO EYES, SKIN and mucous membranes. Can lead to burns on affected area. Prolonged or repeated exposure can cause permanent scars or damage.

INGESTION: If swallowed, this material can cause burns to mouth, esophagus, and stomach followed by severe gastric distress.
INHALATION: If inhaled, vapors from this product can cause irritation to the respiratory tract and lungs possibly leading to chemical pneumonitis and other serious complications from tissue deterioration. Avoid breathing vapors.
CHRONIC EFFECTS: No information found. Expect long term effects to be manifestations of acute symptoms.

PRIMARY ROUTES OF ENTRY-
Eyes, Skin, Inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
Expect aggravation of respiratory conditions upon overexposure.

EMERGENCY FIRST AID PROCEDURES-
EYES: Speed of removal is important. Immediately flush with water for at least 15 minutes while alternately holding eyelids open to ensure flushing entire area of the eye. See physician at once. SKIN: Immediately flush with plenty of cool water. Remove contaminated clothing and wash before reuse. Call physician if irritation persists.
INHALATION: Move to uncontaminated area. Administer oxygen and provide artificial respiration if necessary. Call physician.
INGESTION: Do not induce vomiting. Give large quantities of water or Milk of Magnesia or water with Baking Soda if available and call poison control center or physician immediately.

SECTION 4 - CHEMICAL DATA

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BOILING POINT (F).....: 215	SPECIFIC GRAVITY (WATER=1).....: 1.06
VAPOR PRESSURE (mmHg): 80	PERCENT VOLATILE BY VOLUME (%): 98
VAPOR DENSITY (AIR=1): 1	EVAPORATION RATE (water =1): 1

SOLUBILITY IN WATER-
100%

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

SECTION 5 - PHYSICAL HAZARD DATA

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

EXTINGUISHING MEDIA-
Not combustible.

SPECIAL FIRE FIGHTING PROCEDURES-
Wear positive pressure self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS-
Reacts with metals to produce Hydrogen which may form explosive mixtures with air.

HYGIENIC PRACTICES-

Wash hands before using lavatory facilities or eating.

SECTION 8 - SPECIAL PRECAUTIONS
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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: Compound,Cleaning,Liquid (Hydrochloric Acid), Hazard Class 8
Packing Group 11, CORROSIVE label required.
FOR TRANSPORTATION EMERGENCY ONLY, CALL INFOTRAC 1-800-535-5053.