

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....: FREEZE
CHEMICAL NAME/SYNONYMS: A/C Coil and Filter Cleaner
CHEMICAL FAMILY.....: Acidic Cleaner
FORMULA.....: Mixture
PRODUCT CODE.....: 17-58

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

* HEALTH..... 2 *
* FLAMMABILITY.. 0 *
* REACTIVITY.... 1 *
* PROTECTION.... B *

SECTION 2 - HAZARDOUS INGREDIENTS
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THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
*Hydrochloric Acid	7647-01-0	2	N/I	5 PPM
Citric Acid (USP)	77-92-9	3	N/I	3 PPM
Nonylphenoxypolyethoxyethanol	26027-38-3	<5	N/I	Rat LD50 3.2g/kg
Water (non hazardous)	7732-18-5	>80	N/A	N/A

*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
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HEALTH EFFECTS (Acute And Chronic)-
EYE CONTACT: Severe irritant, could cause severe, possibly permanent damage.
SKIN: Moderate irritant, also defats to some degree.

INGESTION: Slightly toxic. Irritating to mucous membranes.
INHALATION: Injury unlikely at this concentration but Hydrochloric Acid is a toxic gas which can cause inhalation injury.
Chronic Effects: None expected from occupational exposure to this product.

PRIMARY ROUTES OF ENTRY-
Eyes and Skin.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
Respiratory disorders could be affected by exposure under extreme conditions.

EMERGENCY FIRST AID PROCEDURES-

EYES: Immediately flush with water for 15 minutes alternately holding eyelids open. See physician immediately.

INHALATION: Move to fresh air. Call physician if symptoms persist.

INGESTION: Do not induce vomiting. Drink two glasses of water and call physician or poison control center.

SKIN: Remove contaminated clothing and wash before reuse. Flush injured area with plenty of cold water for at least 15 minutes. Consult physician if any irritation persists.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F).....: 212	SPECIFIC GRAVITY (WATER=1).....: 1.02
VAPOR PRESSURE (mHg): 15-25	PERCENT VOLATILE BY VOLUME (%): >90
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE (water =1): 1

SOLUBILITY IN WATER-
100%

APPEARANCE AND ODOR INFORMATION-
Clear orange liquid with pleasant, tart 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-
N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS-
Reacts with Aluminum, Zinc, Magnesium, Lead to liberate Hydrogen gas which could form explosive mixtures in a confined space.

INCOMPATIBILITY (Materials To Avoid)-
Reducing agents. Aluminum, Zinc, Magnesium and other reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS-

Small amounts of carbon oxides and chlorine compounds possible.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No.

CONDITIONS TO AVOID FOR POLYMERIZATION-

None known.

IS THE PRODUCT STABLE-

Yes.

CONDITIONS TO AVOID FOR STABILITY-

Avoid extreme heat and cold.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-

Wear protective clothing. Dike and contain spill. Neutralize with lime or Soda Ash. Soak up with suitable absorbent and place in plastic containers for sanitary disposal. Flush residue to sanitary sewer. Do not allow spill to contaminate ground water or streams. This material is toxic to fish.

WASTE DISPOSAL METHODS-

This material is would be considered a RCRA hazardous waste as supplied. It should be suitable for non-hazardous disposal if neutralized or after use for cleaning **as** directed. Consult Federal, State, and local authorities for the prevailing local regulations.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

LOCAL EXHAUST: N/A

SPECIAL.....: N/A

MECHANICAL (General): Good general

OTHER.....: N/A

RESPIRATORY PROTECTION-

Not normally needed.

PROTECTIVE GLOVES-

Rubber, vinyl, poly.

OTHER PROTECTIVE EQUIPMENT-

Splashproof goggles, plastic or rubber apron.

OTHER ENGINEERING CONTROLS-

Eyewash station or bottle.

WORK PRACTICES-

N/A

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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-

Do not store in metal containers.

MAINTENANCE PRECAUTIONS-

N/A

OTHER PRECAUTIONS-

KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-

Shipping Name: Compound, Cleaning. Class 55.