

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-THAW
CHEMICAL NAME/SYNONYMS: Ice Melting Solution
CHEMICAL FAMILY.....: Salt/Glycolic Mixture
FORMULA.....: Mixture
PRODUCT CODE.....: 16-90

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

* HEALTH..... 1 *
* 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
Calcium Chloride (Technical)	10043-52-4	20-40	None est	None est
Propylene Glycol (Technical)	57-55-6	0-10	None est	None est
Sodium Chloride	7647-14-5	.5-1	None est	None est
Potassium Chloride	7447-40-7	.5-2	None est	None est
Strontium Chloride	10476-85-4	0-0.5	None est	None est
Water	7732-18-5	>40	None	None

*This ingredient is reportable under EPA none
SARA Title 111- Please check applicable reportable
states for additional regulations.

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)-
INHALATION: Vapors unlikely/mists would be irritants to nasal passages and
irritating to upper respiratory tract.

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Long term overexposure may result in kidney/nervous system disorders. (painter's syndrome)

EYE: May cause moderate to severe eye irritation with corneal injury, which may be slow to heal.

SKIN CONTACT: Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to skin.

INGESTION: May be harmful if swallowed. Symptoms to include: Irritation of stomach, nervous fatigue, drowsiness, dizziness, convulsions and coma possible.

SYSTEMIC & OTHER EFFECTS: Results of in vitro mutagenicity tests have been negative for ingredients contained. Ethylene Glycol has been identified as a possible hazard to fetus.

PRIMARY ROUTES OF ENTRY-
Skin, Eyes, Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
Exposure to mist may aggravate existing respiratory disorders.

EMERGENCY FIRST AID PROCEDURES-

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN: Wash off in flowing water or shower.

INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. (Never give anything by mouth or attempt to induce vomiting in an unconscious person.)

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F).....: 388F	SPECIFIC GRAVITY (WATER=1).....: 1.24
VAPOR PRESSURE (mmHg): .009mm	PERCENT VOLATILE BY VOLUME (%): 40-60
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE (N-butyl acetate =1): <1

SOLUBILITY IN WATER-
Completely soluble

APPEARANCE AND ODOR INFORMATION-
Colorless, odorless liquid warm to touch.

SECTION 5 - PHYSICAL HAZARD DATA

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-
None known.

INCOMPATIBILITY (Materials To Avoid)-
Metals will slowly corrode in aqueous calcium chloride solutions. Aluminum (and its alloys) and yellow brass will be attacked by calcium chloride. Product attracts moisture and gives off heat while dissolving.

HAZARDOUS DECOMPOSITION PRODUCTS-
None known.

WILL HAZARDOUS POLYMERIZATION OCCUR-
No.

CONDITIONS TO AVOID FOR POLYMERIZATION-
None known.

IS THE PRODUCT STABLE-
Yes.

CONDITIONS TO AVOID FOR STABILITY-
Moisture.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
No special precautions necessary - sweep up and return to container or discard. Walking surfaces may remain wet longer due to moisture being held by spilled materials. Avoid cleaning up with bare hands-always use protective gloves when handling chemical products of any kind.

WASTE DISPOSAL METHODS-
Consult Federal, State or local authorities. Wash away with large excess of water or bury. Keep out of drinking water sources.

SECTION 7 - EXPOSURE CONTROL INFORMATION
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VENTILATION-

LOCAL EXHAUST: Good general.
SPECIAL.....: N/A

MECHANICAL (General): N/A
OTHER.....: N/A

RESPIRATORY PROTECTION-

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air purifying respirator. In dusty atmospheres, use an approved dust respirator.

PROTECTIVE GLOVES-
Chemical resistant gloves.

OTHER PROTECTIVE EQUIPMENT-
Safety goggles, long sleeves.

OTHER ENGINEERING CONTROLS-
N/I

WORK PRACTICES-
For brief contact, no precautions other than clean body-covering clothing should be needed. Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. If skin comes in contact immediately, wash skin area with soap and water, and launder clothing before reuse.

HYGIENIC PRACTICES-
Wash hands after using and before using lavatory facilities.

SECTION 8 - SPECIAL PRECAUTIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-
Avoid eye and prolonged skin contact. Leather clothing and shoes may be damaged by this mixture. Wash utensils used for handling or a coating may develop,

MAINTENANCE PRECAUTIONS-
N/A

OTHER PRECAUTIONS-
Do not wear contact lenses. Do not touch eyes/face with contaminated gloves or clothes. KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-
Shipping Name: Compound, Cleaning. Class 55.