

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...: UNLOX
CHEMICAL NAME/SYNONYMS: Penetrating Oil and Rust Release
CHEMICAL FAMILY.....: Petroleum Distillate Solution
FORMULA.....: Complex Mixture
PRODUCT CODE.....: 13-13

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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* HEALTH..... 1 *
* FLAMMABILITY.. 2 *
* REACTIVITY.... 0 *
* PROTECTION.... B *
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SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Petroleum distillate	8032-32-4	80-90	100 ppm	100 ppm
Dewaxed heavy paraffinic distillate oil	64742-65-0	4-9	5 mg/m3	as mist
Sodium petroleum sulfonate	68608-26-4	1-4	5 mg/m3	as mist
Hexylene Glycol	107-41-5	<1	N/I	25 PPM
Nonylphenol ethoxylate	9016-45-9	<1	Not est	Not est

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)-

ACUTE: High vapor concentrations are irritating to the respiratory tract and to the eyes. Tightness in chest, headaches, nausea, dizziness and other symptoms of Central Nervous System depression can result. SKIN: Prolonged or repeated skin contact can cause dry skin dermatitis and general discomfort related to defatted skin. Potentially harmful amounts can be absorbed by skin. CHRONIC: Chronic effects on humans are unknown. Studies on rats exposed to

petroleum solvents are being repeated to check for possible kidney effects.
EYES: Moderate irritant but damage is not expected to be permanent.
INGESTION: Harmful if swallowed. Absorption of product through digestive tract wall can cause Central Nervous System effects observed with inhalation overexposure. Vomiting of ingested product may cause aspiration of potentially harmful amounts leading to chemical pneumonia.

PRIMARY ROUTES OF ENTRY-
Inhalation and skin exposure

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-
None known

EMERGENCY FIRST AID PROCEDURES-
EYE CONTACT: If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. Consult physician immediately.
SKIN CONTACT: Remove any contaminated clothing and launder before reuse. Wash affected area with mild soap and water. Call physician if irritation persists.
INHALATION: Call physician immediately if symptoms of overexposure occur (See health effects). Maintain respiration artificially if breathing has stopped. Inhalation injury symptoms may appear several hours after overexposure, call physician if difficulty in breathing or severe pulmonary congestion occur in the 24 hours after overexposure.
INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs keep head below hips to prevent aspiration of vomited product. If conscious, give large quantities of water. Call physician immediately.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F).....: 268 SPECIFIC GRAVITY (WATER=1).....: 0.822
VAPOR PRESSURE (mmHg): <5 PERCENT VOLATILE BY VOLUME (%): 93
VAPOR DENSITY (AIR=1): >1 EVAPORATION RATE (water =1): <1

SOLUBILITY IN WATER-
Emulsifies.

APPEARANCE AND ODOR INFORMATION-
Clear, yellow liquid with sharp petroleum solvent odor.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): 115F COC FLAMMABLE LIMITS : Lel=0.6 % UEL=15 %

EXTINGUISHING MEDIA-
Exclude air. Use foam, CO2, dry chemical, carbon tetrachloride.

SPECIAL FIRE FIGHTING PROCEDURES-
Self-contained breathing apparatus imperative especially in any confined area.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

None known.
Extremely flammable by CPSC Flame Extension Test.

INCOMPATIBILITY (Materials To Avoid)-

Oxidizing chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS-

Carbon dioxide, carbon monoxide, considerable smoke.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No.

CONDITIONS TO AVOID FOR POLYMERIZATION-

None known.

IS THE PRODUCT STABLE-

Product is stable under any ambient conditions.

CONDITIONS TO AVOID FOR STABILITY-

None known.

SECTION 6 - SPILL OR LEAK PROCEDURES

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

Remove sources of ignition and stop smoking. Use oil absorbent material to pick up spill. Place in metal containers for appropriate disposal. This is an oil under the CLEAN WATER ACT. Any spill which causes a sheen or is about to enter a lake, stream or other watercourse must be reported to the National Response Center 1-800-424-0800.

WASTE DISPOSAL METHODS-

Consult Federal, State, and local authorities for petroleum solvent waste disposal. Prevent contamination of groundwater and streams.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

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

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

RESPIRATORY PROTECTION-

If needed to prevent exposure to more than 100 ppm, NIOSH approved.

PROTECTIVE GLOVES-

Rubber, polyethylene or other impervious material.

OTHER PROTECTIVE EQUIPMENT-

N/A

OTHER ENGINEERING CONTROLS-

Since vapors are heavier than air, they will accumulate in low areas. These low areas should be monitored and extra ventilation supplied if necessary to maintain TLV recommendation.

WORK PRACTICES-

If product is to be sprayed in an enclosed area (such as under a hood) user should wear a hydrocarbon vapor mask, use air supplied respirator, or take other steps to maintain TLV below 100 ppm.

HYGIENIC PRACTICES-

Wash hands after using, especially before eating or using lavatory facilities.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Avoid open flames and spark sources. Avoid excessive heat. Keep container tightly closed when not in use.

MAINTENANCE PRECAUTIONS-

N/A

OTHER PRECAUTIONS-

KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-

Shipping Name: Compound, Cleaning, Liquid (Mineral Spirits), Hazard Class 3, NA-1993, Packing Group 111, FLAMMABLE LIQUID label required.
FOR TRANSPORTATION EMERGENCY ONLY, CALL INFOTRAC 1-800-535-5053 24 hr/7 days.