

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...: TIRE OFF  
CHEMICAL NAME/SYNONYMS: Penetrant for truck wheels  
CHEMICAL FAMILY.....: Solvent solution  
FORMULA.....: Mixture  
PRODUCT CODE.....: 14-16

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Petroleum distillate	8032-32-4	85	500 ppm	100 ppm
d-Limonene	5989-27-5	15	N/I	N/I
**this ingredient is reportable under EPA SARA Title 111-please check applicable states for additional regulations.	none			

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.  
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.

CHRONIC EFFECTS on humans are unknown extended over-exposure to Petroleum distillates is suspected to cause liver and kidney damage.

PRIMARY ROUTES OF ENTRY-  
Skin.

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

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BOILING POINT (F).....: 305 F	SPECIFIC GRAVITY (WATER=1).....: 0.98
VAPOR PRESSURE (mmHg): <10	PERCENT VOLATILE BY VOLUME (%): 100
VAPOR DENSITY (AIR=1): "4.8	EVAPORATION RATE (water =1): <0.1

SOLUBILITY IN WATER-  
Insoluble

APPEARANCE AND ODOR INFORMATION-  
Colorless liquid with petroleum solvent odor

#### SECTION 5 - PHYSICAL HAZARD DATA

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FLASH POINT (Method Used): 118 F COC      FLAMMABLE LIMITS : Lel=0.9      UEL=7

EXTINGUISHING MEDIA-  
Alcohol foam, CO2, dry chemical, water fog

SPECIAL FIRE FIGHTING PROCEDURES-  
Use self-contained breathing apparatus for fires involving chemical products.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

None known

Extremely flammable by CPSC Flame Extension Test.

INCOMPATIBILITY (Materials To Avoid)-

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS-

Carbon Monoxide, Carbon Dioxide, significant amounts of toxic Chloride gases such as Hydrogen Chloride and Phosgene, etc.

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-

Water can cause deterioration to products that are potentially corrosive to steel containers.

**SECTION 6 - SPILL OR LEAK PROCEDURES**

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

Shut off or eliminate ignition sources. Soak up with absorbent and place in metal containers for disposal. Keep product out of watercourses. Notify authorities if product has entered any watercourse, sewer or extensive land areas. This product is an oil under the Clean Water Act guidelines.

WASTE DISPOSAL METHODS-

Consult Federal, State, and local authorities. This product and possibly the soils cleaned may be classified as hazardous wastes under RCRA. Improper disposal is a violation of law.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**

VENTILATION-

LOCAL EXHAUST: Good necessary

SPECIAL.....: No Smoking

MECHANICAL (General): N/A

OTHER.....: N/A

RESPIRATORY PROTECTION-

Not normally needed. NIOSH approved for Hydrocarbons if necessary.

PROTECTIVE GLOVES-

Impervious rubber or polyethylene

OTHER PROTECTIVE EQUIPMENT-  
Splashproof goggles

OTHER ENGINEERING CONTROLS-  
Vapors are heavier than air and can accumulate in basements, pits, and other low areas. These areas should be monitored and extra ventilation supplied if necessary to maintain TLV recommendation.

WORK PRACTICES-  
Do not use around materials that are warmer than 100 F. Use only in well-ventilated areas. If spraying an engine compartment remove hood or wear hydrocarbon vapor mask. Maintain exposure level below 100 ppm.

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

#### SECTION 8 - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-  
Keep containers closed when not in use. Store away from heat and ignition sources.

MAINTENANCE PRECAUTIONS-  
N/A

OTHER PRECAUTIONS-  
KEEP OUT OF REACH OF CHILDREN

ADDITIONAL COMMENTS-  
DOT name: Compound, Cleaning. (Mineral Spirits) Hazard Class 3, NA-1993, Packing group 111, FLAMMABLE LIQUID label required.  
FOR TRANSPORTATION EMERGENCY CALL INFOTRAC 1-800-535-5053, 24hr/7days.