

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...: METAL MASTER  
CHEMICAL NAME/SYNONYMS: Cutting Oil/ Coolant Emulsifiable  
CHEMICAL FAMILY.....: Lubricant  
FORMULA.....: Mixture  
PRODUCT CODE.....: 11-11

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 1 \*  
\* FLAMMABILITY.. 1 \*  
\* 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
Dewaxed heavy paraffic distillate (oil)*	64742-65-0	60-70	5 mg/m3	as mist
Sodium Petroleum Sulfonate	68608-26-4	7-10	5 mg/m3	as mist
Hexylene Glycol	107-41-5	<1	N/I	25 PPM
Water	7732-18-5	25-33	None	None

\*Hydrotreated and, therefore, not carcinogenic.

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA):NO

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
N/A	NIA	N/A	NIA	N/A	N/A

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-  
Effects vary with individual and exposure should be minimized. The incidence of injuries of all types with lubricating oils is extremely rare.  
SKIN: Prolonged or repeated skin contact may cause skin irritation from the defatting of the skin.  
EYES: Eye contact may cause irritation.

INGESTION: This product is of a low order of oral toxicity.  
INHALATION: If this material is sprayed, inhalation injury is possible. Oil coating on lung tissue could cause breathing difficulty and suffocation.

PRIMARY ROUTES OF ENTRY-  
Skin, eyes, inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-  
None known

EMERGENCY FIRST AID PROCEDURES-

EYES: If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call physician.  
SKIN CONTACT: In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before reuse.  
INHALATION: If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposed to oil mist, remove from further exposure until excessive oil mist condition subsides.  
INGESTION: If ingested. DO NOT induce vomiting; call a physician immediately.

SECTION 4 - CHEMICAL DATA  
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BOILING POINT (F).....: 215 F	SPECIFIC GRAVITY (WATER=1).....: 0.9
VAPOR PRESSURE (mmHg): <.01	PERCENT VOLATILE BY VOLUME (%).....: 33
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE (n-butyl acetate =1): <1

SOLUBILITY IN WATER-  
Emulsifiable, emulsion stability varies

APPEARANCE AND ODOR INFORMATION-  
Milky, amber liquid with very slight characteristic "oil" odor

SECTION 5 - PHYSICAL HAZARD DATA  
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FLASH POINT (Method Used): 355 F                      FLAMMABLE LIMITS : Lel=N/I                      UEL=N/I

EXTINGUISHING MEDIA-  
Foam, water spray (fog), dry chemical, Carbon Dioxide

SPECIAL FIRE FIGHTING PROCEDURES-  
Use self-contained breathing apparatus for fire in an enclosed area.

UNUSUAL FIRE AND EXPLOSION HAZARDS-  
Spontaneous combustion possible with oily rags etc.  
Water may cause frothing, severe foam problems. Temperatures above boiling may also cause frothing.

INCOMPATIBILITY (Materials To Avoid)-  
Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS-  
Smoke, Carbon Monoxide, Carbon Dioxide, Zinc Oxide

WILL HAZARDOUS POLYMERIZATION OCCUR-  
Not known to occur

CONDITIONS TO AVOID FOR POLYMERIZATION-  
None known

IS THE PRODUCT STABLE-  
Yes

CONDITIONS TO AVOID FOR STABILITY-  
None known

**SECTION 6 - SPILL OR LEAK PROCEDURES**  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Keep non-essential personnel out as spill will be slippery. Dike and contain spill with suitable absorbent. Shovel into metal containers for appropriate disposal. Prevent entry of the spill into any watercourse or other surface water. Advise authorities if this occurs.

WASTE DISPOSAL METHODS-  
This product is suitable for recycling as used motor oil. Consult Federal, state and local authorities.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**  
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VENTILATION-	
LOCAL EXHAUST: N/A	MECHANICAL (General): Good general needed
SPECIAL.....: N/A	OTHER.....: N/A

RESPIRATORY PROTECTION-  
Not normally needed

PROTECTIVE GLOVES-  
Impervious

OTHER PROTECTIVE EQUIPMENT-  
N/A

OTHER ENGINEERING CONTROLS-  
N/A

WORK PRACTICES-  
Clean spills promptly to prevent falls

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

**SECTION 8 - SPECIAL PRECAUTIONS**  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-  
Store away from heat or other ignition sources.

MAINTENANCE PRECAUTIONS-

"Empty" containers retain residue and can be dangerous. Do not pressurize, weld, cut, braze, solder drill, grind or expose such containers to heat, flame or other sources of ignition. They may explode causing injury or death.

OTHER PRECAUTIONS-

KEEP OUT OF REACH OF CHILDREN

ADDITIONAL COMMENTS-

Shipping Name: Petroleum Oil. Class 65. Not regulated.