

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : CHEM-POWER MANUFACTURING DIV./ FOSTER & CO., INC  
15 Wing Drive EMERGENCY PHONE.....: 973-267-4100  
Cedar Knolls PREPARATION/REVISION DATE: 07/17/03  
NJ 07927  
PREPARER/CONTACT: Gary Adams, Chemist  
LOCATION : Whs 1

TRADE NAME/SYNONYMS...: METAL MASTER 11-16  
CHEMICAL NAME/SYNONYMS: Water Soluble Cutting Oil  
CHEMICAL FAMILY.....: Surfactant/Lubricant Solution  
FORMULA.....: Complex Mixture  
PRODUCT CODE.....: 11-06

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 2 \*  
\* 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
Oleic Acid	112-80-1	15-20	None est	None est
Potassium Hydroxide 45%	1310-58-3	5-10	3 mg/m3	N/I
Phosphate Ester EP Additive	39464-69-2	5-10	None	None
Isopropanol	67-63-0	5-10	400 ppm	400 ppm
EDTA, tetrasodium salt	64-02-8	1-4	N/I	N/I
0-Phenylphenol	90-43-7	<1	5mg/m3	recomend
Water	7732-18-5	50-65	none	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)-  
EYES: Moderate to severe irritant.  
SKIN: Severe overexposure could cause dry skin dermatitis.  
INGESTION: Nausea, indigestion, vomiting.  
INHALATION: Overexposure to mists could cause irritation to respiratory tract.

CHROMIC: None known.

PRIMARY ROUTES OF ENTRY-  
Skin, eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-  
None known.

EMERGENCY FIRST AID PROCEDURES-

EYES & SKIN: Flush with water for 15 minutes. Call physician if irritation persists.

INGESTION: Do not induce vomiting. Give large amounts of water or milk. Call physician or poison control center immediately.

SECTION 4 - CHEMICAL DATA  
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BOILING POINT (F)....: 212	SPECIFIC GRAVITY (WATER=1).....: 1.025
VAPOR PRESSURE (mmHg): N/I	PERCENT VOLATILE BY VOLUME (%). ....: 70-80
VAPOR DENSITY (AIR=1): N/I	EVAPORATION RATE (water =1): < 1

SOLUBILITY IN WATER-  
Complete.

APPEARANCE AND ODOR INFORMATION-  
Clear light amber liquid with oleate odor.

SECTION 5 - PHYSICAL HAZARD DATA  
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FLASH POINT (Method Used): >180 F boil      FLAMMABLE LIMITS : Lel=N/A      UEL=N/A

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

SPECIAL FIRE FIGHTING PROCEDURES-

Vapors of boiling Winter Formula are combustible. Cool below boiling. Keep containers cool to prevent explosion.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

Residue after evaporation is combustible.

INCOMPATIBILITY (Materials To Avoid)-

Acids.

HAZARDOUS DECOMPOSITION PRODUCTS-

None known.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No.



05-04-03  
CSS-14038

MATERIAL SAFETY DATA SHEET 00353  
CHEM-POWER DIV/FOSTER & CO

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OTHER PRECAUTIONS-  
KEEP OUT OF REACH OF CHILDREN!

ADDITIONAL COMMENTS-

Shipping Name: Cleaning Compound, Non-Hazardous. Class 55.  
FOR TRANSPORTATION EMERGENCY ONLY, CALL INFOTRAC 1-800-535-5053 24 hr/7 days.