

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 (Aerosol)  
CHEMICAL NAME/SYNONYMS: Drill and Tap Lubricant and Coolant  
CHEMICAL FAMILY.....: Spray lubricant  
FORMULA.....: Mixture  
PRODUCT CODE.....: 19-67

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 1 \*  
\* FLAMMABILITY.. 3 \*  
\* 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 solvent	8032-32-4	>80	500	100 ppm
**1,1,1-Trichloroethane	71-55-6	<10	stel 450	350 ppm
Silicone Fluid (Not Hazardous)	63148-69-9	<5	N/I	N/I
Carbon Dioxide (Propellant)	124-38-9	3	N/I	1000 ppm

\*\*this ingredient is reportable under EPA SARA Title 111-please check applicable 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)-

ACUTE: High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic, and may have other CNS effects. Skin: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and

dermatitis. Low order of oral toxicity.  
Avoid breathing mists. Minor amounts aspirated into the lungs can cause chemical pneumonia which develops slowly over several hours.  
CHRONIC: Chronic effects on humans are unknown. Studies on rats exposed to petroleum solvents are being repeated to check for possible kidney effects.

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.  
SKIN CONTACT: Remove any contaminated clothing and launder before reuse. Wash affected area with mild soap and water.  
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.

SECTION 4 - CHEMICAL DATA  
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BOILING POINT (F).....: 305 F	SPECIFIC GRAVITY (WATER=1).....: 0.82
VAPOR PRESSURE (mmHg): <10	PERCENT VOLATILE BY VOLUME (%)......: >95
VAPOR DENSITY (AIR=1): "4.8	EVAPORATION RATE (water =1): <0.1

SOLUBILITY IN WATER-  
Slightly soluble, forms unstable emulsion

APPEARANCE AND ODOR INFORMATION-  
Amber liquid with petroleum solvent odor in aerosol can

SECTION 5 - PHYSICAL HAZARD DATA  
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FLASH POINT (Method Used): 104 F base      FLAMMABLE LIMITS : Lel=0.9      UEL=7

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

SPECIAL FIRE FIGHTING PROCEDURES-  
Use water spray to cool cans/prevent explosion. Self-contained breathing app.

UNUSUAL FIRE AND EXPLOSION HAZARDS-  
Temperatures above 130F may cause aerosol cans to explode  
Extremely flammable by CPSC Flame Extension Test.

INCOMPATIBILITY (Materials To Avoid)-  
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS-  
Carbon Monoxide, Carbon Dioxide, Oxides of Sulfur, toxic gases of Chlorine

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-  
Temperatures above 120 F

**SECTION 6 - SPILL OR LEAK PROCEDURES**  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Shut off or eliminate ignition sources. Soak up with absorbant and place in metal containers for disposal. Keep product out of water-courses. Notify authorities if product has entered any water-course, sewer or extensive land area. Be careful spills may be very slippery especially on smooth surfaces. This is an oil under EPA Clean Water Act. Spills entering surface waters that cause a sheen must be reported to National Response Ctr.-1-800-424-8802.

WASTE DISPOSAL METHODS-  
Consult Federal, State, and local authorities. Once aerosol cans are empty evacuate to atmospheric pressure and wrap in paper for disposal in secure land fill. DO NOT INCINERATE EMPTY AEROSOL CANS OR ATTEMPT TO REUSE THEM.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**  
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VENTILATION-  
LOCAL EXHAUST: Good necessary  
SPECIAL.....: No Smoking  
MECHANICAL (General): N/A  
OTHER.....: N/A

RESPIRATORY PROTECTION-  
Not normally needed

PROTECTIVE GLOVES-  
impervious rubber or polyethylene

OTHER PROTECTIVE EQUIPMENT-  
Splashproof goggles

OTHER ENGINEERING CONTROLS-  
N/I

WORK PRACTICES-

Do not spray around materials that are hot

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-

DO NOT STORE ABOVE 120 F. Shipping Class: Consumer Commodity ORM-D.

MAINTENANCE PRECAUTIONS-

N/A

OTHER PRECAUTIONS-

KEEP OUT OF REACH OF CHILDREN

ADDITIONAL COMMENTS-

EXTREMELY FLAMMABLE BY FLAME EXTENSION TEST.

Freight Classification: Consumer Commodity ORM-D

AIR TRANSPORT of this product is PROHIBITED.

FOR TRANSPORTATION EMERGENCY CALL INFOTRAC 1-800-535-5053, 24 hrs/7 days.