

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: 08/25/03  
NJ 07927

PREPARER/CONTACT: Gary Adams, Chemist

LOCATION : Whs 1

TRADE NAME/SYNONYMS...: SURE (Aerosol)  
CHEMICAL NAME/SYNONYMS: Dry Moly Lube, Anti-seize Lube  
CHEMICAL FAMILY.....: Molydisulfide in quick dry solvents  
FORMULA.....: Mixture  
PRODUCT CODE.....: 19-39

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 2 \*  
\* FLAMMABILITY.. 4 \*  
\* 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
Mineral Spirits	64742-88-7	10-20	100 ppm	100 ppm
Propane	74-98-63	2-8	2500ppm	2500ppm
Butane	106097-8	2-8	800 ppm	800 ppm
Molybdenum Disulfide	1317-33-5	4-6	15mg/m3	10mg/m3
2-Propanol	67-64-1	2-8	400 ppm	400 ppm
Acetone	67-64-1	1-6	500 ppm	500 ppm
Ethyl 3-Ethoxypropionate	763-69-9	1-6	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  
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HEALTH EFFECTS (Acute And Chronic)-

Inhalation: Major potential route of exposure. Minimal effects observed below 1000 ppm. Unconsciousness and death possible at levels above 10,000 ppm. Central nervous system and heart disfunctions can result.

EYE: May cause pain, transient injury and irritation with slight transient corneal injury. Vapors may irritate eyes.

SKIN CONTACT: Prolonged or repeated exposure may cause skin irritation . Repeated contact may cause drying or flaking of skin. ABSORPTION: Single dose not likely to result in absorption of harmful amounts. LD-50 for rabbits is ~ 15000 mg/kg.

SYSTEMIC AND OTHER EFFECTS: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Similar formulations did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. Mutagenicity tests have been negative. In vitro mutagenicity, test results have been inconclusive.

PRIMARY ROUTES OF ENTRY-

Inhalation, skin, skin absorption. Ingestion unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

None certain. Users who have respiratory disorders or heart ailments should monitor exposure for adverse effects.

EMERGENCY FIRST AID PROCEDURES-

INHALATION: Move to fresh air. Maintain respiration (artificially if necessary). Call physician or emergency response team.

EYES OR SKIN: Immediately flush with water for 15 minutes. Hold eyelids open to ensure thorough rinse. Remove contaminated clothing and launder before reuse. Call physician if any irritation persists.

INGESTION: Call physician or poison control center at once. Do not induce vomiting unless told to do so by proper medical authority.

SECTION 4 - CHEMICAL DATA  
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BOILING POINT (F).....: range	SPECIFIC GRAVITY (WATER=1).....: 0.73
VAPOR PRESSURE (mmHg): 40	PERCENT VOLATILE BY VOLUME (%): 94-96
VAPOR DENSITY (AIR=1): > 1	EVAPORATION RATE (ether =1): <1

SOLUBILITY IN WATER-

Appreciable (Acetone), 2-Propanol

APPEARANCE AND ODOR INFORMATION-

Colorless liquid contains gray powder in aerosol can with etheric odor.

SECTION 5 - PHYSICAL HAZARD DATA  
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FLASH POINT (Method Used): -40F TCC

FLAMMABLE LIMITS : Lel=1.8 % UEL=12.0%

EXTINGUISHING MEDIA-

Water fog, Carbon Dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES-

Keep containers cool to prevent explosion from pressure buildup.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

Temperatures above 130 F can cause cans to explode.

Molybdenum Disulfide reacts violently with Hydrogen Peroxide and Potassium Nitrate.

INCOMPATIBILITY (Materials To Avoid)-

Water - Long-term contact can cause production of corrosive acids which will deteriorate metal cans. Avoid contact with zinc or aluminum powders.

Potassium Nitrate and Hydrogen Peroxide (See above)

HAZARDOUS DECOMPOSITION PRODUCTS-

Hydrogen Chloride, very small amounts of phosgene and chlorine, Sulfur Oxides

WILL HAZARDOUS POLYMERIZATION OCCUR-

NO

CONDITIONS TO AVOID FOR POLYMERIZATION-

None known

IS THE PRODUCT STABLE-

Stable at ambient conditions.

CONDITIONS TO AVOID FOR STABILITY-

Elevated temperatures (above 120 F)

**SECTION 6 - SPILL OR LEAK PROCEDURES**

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

Gross spills are unusual with aerosol products. If any considerable amount is spilled: Provide adequate ventilation, dike and contain spill and place in a metal container for disposal. Small spills should evaporate quickly if good ventilation is maintained. Contamination of groundwater by improper handling of waste must be avoided. Spills of this product are very slippery and dirty. Take care to avoid falls or the material to be tracked around the area.

WASTE DISPOSAL METHODS-

Cans should be evacuated to atmospheric pressure, wrapped in paper and placed in normal industrial waste. DO NOT INCINERATE AEROSOL CANS! Consult Federal, state and local authorities for any intended disposal of full cans or wastes involved with the use of the product.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**

VENTILATION-

LOCAL EXHAUST: Helpful

SPECIAL.....: Not normally needed

MECHANICAL (General): Do not exceed TLV

OTHER.....: N/A

RESPIRATORY PROTECTION-

NIOSH Approved if TLV cannot be maintained by good ventilation.

NOTE: Potentially harmful amounts of vapors can accumulate in pits or other low areas since vapor density is significantly greater than air.

PROTECTIVE GLOVES-

Polyethylene etc. Follow manufacturer's guidelines.

OTHER PROTECTIVE EQUIPMENT-

None normally needed

OTHER ENGINEERING CONTROLS-

Special ventilation for any pit areas or basement use.

WORK PRACTICES-

Always work with methods which will limit exposure.

HYGIENIC PRACTICES-

Keep away from foods, food packages and utensils. Wash hands before eating or using lavatory facilities.

**SECTION 8 - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Store in cool dry area away from heat sources.

MAINTENANCE PRECAUTIONS-

Rotate stock to avoid depressurized cans.

OTHER PRECAUTIONS-

KEEP OUT OF REACH OF CHILDREN

ADDITIONAL COMMENTS-

Freight Classification: Consumer Commodity ORM-D Contents under pressure  
NOT SUITABLE FOR AIR TRANSPORT.

FOR TRANSPORTATION EMERGENCY CALL INFOTRAC 1-800-535-5053.