

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA

DRY MOLY LUBE

AEROSOL

An excellent anti-friction and anti-seize lubricant-containing micron sized molybdenum-Disulphide characteristics:

A greyish-black dry lubricant that will withstand pressures exceeding 100,000 PSI.

Suitable for temperature ranges from -80°C to 315°C.

Particle size average; microns 1

Adhesion, good on all metals, most plastics, glass and rubber. Has a very low coefficient of friction.

USES:

Lubrication of mining, farm machinery or construction equipment. Prevents seizing, sticking, gaulling, chattering and other related problems, which may occur during assembly and run-in periods.

Moly spray reduces pressures needed to press fit, thus preventing distortion, mis-alignment, or seizure.

Makes disassembly easy and non-destructive.

Effects lifetime lubrication on equipment whose parts are inaccessible after assembly, such as small timing devices, business machines, data processing equipment and certain types of electrical equipment.

APPLICATION ADVANTAGES:

Extremely effective for separating and lubricating metal surfaces where conventional lubricating oils cannot be maintained.

Excellent adherence and wear resistance extends life of bearings, camshafts, gears and other machine parts.

A thin film is equally as effective as a heavy one and has a fast drying time of no less than three minutes.

Inert to water, oil, alkali's and many acids.

Easily removed with a chlorinated solvent.

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SECTION 1-PRODUCT IDENTIFICATION AND USE DRY MOLLY LUBE

PRODUCT IDENTIFIER: Dry Moly Lube PRODUCT IDENTIFICATION NUMBER (PIN) DM
PRODUCT USE: Solvent Based (Molybdenum Disulfide Pressurised Blend)

MANUFACTURER'S NAME: ENVIROSAFE CHEMICALS CANADA
ADDRESS: PO Box 1792 – 10011 Thatcher Avenue
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)	TLV(ACGIH)
Methylene Chloride	30-60	75-09-02	(oral rate):2.1 g/kg	(Rat):88g/m, 30 min	
Trichloroethylene	30-60	000079-01-6	10,000 mg/kg (rabbit)	12,500 ppm (rat)	

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Aerosol	ODOUR AND APPEARANCE: Dry black, solvent odour	ODOUR THRESHOLD (PPM): N/A
VAPOUR PRESSURE: 55 to 65 psig (mm Hg)	VAPOUR DENSITY:>1 (AIR=1)	EVAPORATION RATE:N/A
BOILING POINT (°C)°F Initial: 40C	FREEZING POINT (°):<0C	pH: N/A
SPECIFIC GRAVITY: C 1.07-0.02	COEFF. WATER/OIL DIST.: N/A	

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: yes IF YES UNDER WHICH CONDITION? May form flammable mixture if sprayed into open flames.

MEANS OF EXTINCTION: Use foam dry chemical, CO, water fog to extinguish fire.

UPPER FLAMMABLE LIMIT (% BY VOLUME):°C N/A LOWER FLAMMABLE LIMIT (% BY VOLUME):°C N/A

AUTOIGNITION TEMPERATURE (°C): N/A HAZARDOUS COMBUSTION PRODUCTS: oxides of carbon traces of HCl, phosgene and other toxic fumes

EXPLOSION DATA SENSITIVITY TO IMPACT: N/A SENSITIVITY TO STATIC DISCHARGE: N/A

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Yes

IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: no, do not mix with strong acids, oxidants, etc.

REACTIVITY, AND UNDER WHAT CONDITIONS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: hydrocarbon fumes, oxides of carbon, chlorinated Compounds

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PRODUCT IDENTIFICATION: Dry Moly

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN: X SKIN ABSORPTION: EYE CONTACT: X INHALATION: X INGESTION: X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Prolonged exposure may irritate skin, eyes and mucous membranes at low concentrations it causes a feeling of drunkenness and decreased alertness.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: May cause skin drying.

EXPOSURE LIMITS: Methylene chloride: TLV 100PPM **IRRITANCY OF PRODUCT:** Irritant to skin and eyes
Trichloroethylene

SENSITIZATION OF PRODUCT: Not known

CARCINOGENICITY: Not known

TERATOGENICITY: None known

Reproductive toxicity: none known

MUTAGENICITY: None known

SYNERGISTIC PRODUCTS: None known

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Impervious gloves **RESPIRATOR:** use breathing device in confined areas **EYE:** Safety glasses

FOOTWEAR: not normally required **CLOTHING:** not normally required **OTHER:** not normally required

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): Provide mechanical ventilation of confined spaces for continuous use.

LEAK AND SPILL PRODUCE: Ventilate, prevent additional discharge, and recover by pumping up material.

WASTE DISPOSAL: Dispose of through a licensed waste disposal facility in accordance with Federal local and provincial regulations.

HANDLING PROCEDURES AND EQUIPMENT: Provide adequate ventilation. Avoid eye and skin contact.

STORAGE REQUIREMENTS: Store in cool dry area. Keep containers closed

SPECIAL SHIPPING INFORMATION: Label as "Consumer commodity"

SECTION 8-FIRST AID MEASURES

EYE: Flush with copious amounts of water for at least 15 minutes. Call a physician

SKIN: Flush with soap and water for at least 15 minutes. If irritation persists call a physician.

INHALATION: Remove to fresh air, apply artificial respiration if necessary call a physician.

INGESTION: Do not induce vomiting, rinse mouth with water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.

SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. **PHONE NUMBER:** 306-446-0505

WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HEREON.

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007

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PO Box 1792 -10011 Thatcher Avenue North Battleford SK S9A 3W8

Ph (306) 446-0505 Fax (306) 446-0515 SITE: www.envirosafechem.com E-MAIL: info@envirosafechem.com