

**MATERIAL SAFETY DATA SHEET**  
**Cortec, Spray Technologies Division**  
**1300 South River Street**

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EMERGENCY PHONE NO.: CHEMTREC (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-424-9300 (DAY OR NIGHT)

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**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: Moly Lube (paste)  
 PRODUCT DESCRIPTION: This multi-purpose, heavy-duty molybdenum disulfide based lubricating paste provides excellent protection to metal parts subject extreme load conditions in harsh, extreme environments. Provides lubrication protection from 0 degrees F. (-20 degrees C.) to 250 degrees F. (120 degrees C.) Residual solids lubricant operates to 750 degrees F. (400 degrees C.).  
 RESTRICTIONS>: Non-restricted

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT NAME(S)	CAS#	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Solvent refined light paraffinic petroleum distillates	6474-1-89-5	400 ppm	
Molybdenum disulfide	1317-33-5	10 mg/m3	
Zinc pyrophosphate	7446-26-6	N.E.	
Ethylene distearylamine	110-30-5	N.E.	
Silica, amorphous	7631-86-9	See below*	
Aluminum phosphate	7784-30-7	2 mg/m3	
Hydrotreated neutral oil, C15 - C-30	72623-86-0	N.E.	

\* Observe particulate limits. OSHA PEL is TWA 15 mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV is TWA 10 mg/m3 inhalable particulate, 3 mg/m3 respirable particulate.

Carcinogenic: **OSHA** = no      **NTP** = no      **IARC** = no

**SECTION III - PHYSICAL DATA**

APPEARANCE: Gray /black colored paste, petroleum odor.  
 BOILING POINT:  
 VAPOR DENSITY:  
 VAPOR PRESSURE:  
 SOLUBILITY IN WATER:  
 EVAPORATION RATE:  
 SPECIFIC GRAVITY:  
 MELTING POINT:

**SECTION IV - FIRE AND EXPLOSION DATA**

HMIS FLAMMABILITY RATING:  
 FLASH POINT/ METHOD:  
 FLAMMABLE LIMITS: LEL:      UEL:  
 EXTINGUISHING MEDIA:

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 SPECIAL FIRE FIGHTING PROCEDURES:

**SECTION V - HEALTH HAZARD DATA**

EMERGENCY AND FIRST AID PROCEDURES:  
Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician.  
Skin Contact: Wash affected area with soap and water. If irritation persists, consult a physician.  
Inhalation: Remove to an uncontaminated area, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get medical attention.  
Ingestion:

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:  
 PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.  
 HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:  
 1.

**SECTION VI - REACTIVITY DATA**

STABILITY:  
 HAZARDOUS POLYMERIZATION:  
 HAZARDOUS DECOMPOSITION PRODUCTS:  
 INCOMPATIBILITY:  
 CONDITIONS TO AVOID:

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
 WASTE DISPOSAL: Incinerate or dispose of in accordance with existing Federal, State and Local environmental regulations.

**SECTION VIII - SAFE HANDLING AND USE INFORMATION**

RESPIRATORY PROTECTION:  
 PROTECTIVE GLOVES:  
 EYE PROTECTION:  
 OTHER PROTECTIVE EQUIPMENT: Eye wash station, safety shower

**SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA**

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye contact and prolonged or repeated skin contact. Workers should thoroughly wash hands with soap and water prior to eating, drinking, smoking and using lavatory.  
 PRECAUTIONS TO BE TAKEN IN STORING:

**SECTION X - SHIPPING DATA**

DOT/IMDG/IATA SHIPPING NAME:  
 U.N. / N.A. NUMBER:  
 DOT/IMDG/IATA HAZARD CLASS.:  
 T.S.C.A. STATUS: Listed  
 DOT/IMDG/IATA REQUIRED LABELS:  
 TECHNICAL SHIPPING NAME:  
 FREIGHT CLASS BULK: N/A  
 LTL:                      TL:                      MW:

PREPARED BY: Roger Hanson  
 DATE PREPARED: 03-29-01                      SUPERSEDES:

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N.E. = NOT ESTABLISHED      N.A. = NOT APPLICABLE