

# MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products  
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **DRY LUBE** 24 Hour CHEMTREC Number: 800-424-9300  
Product Description: An aerosol dry moly lube. MSDS Number: M001255

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Butane	106-97-8	< 10%	800 ppm	800 ppm
Toluene	108-88-3	< 10%	100 ppm	100 ppm
Methylene Chloride	75-09-2	< 45%	50 ppm	50 ppm
Molybdenum Disulfide	1317-33-5	< 3.0%	10 mg/m3 as dust	10 mg/m3 total dust / 5 mg/m3 respirable fraction

## 3. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

Flammable. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Eye, skin and respiratory irritant. Vapor harmful. May be harmful or fatal if swallowed.

### POTENTIAL HEALTH EFFECTS

Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment.

Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate overexposure.

Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate overexposure.

Ingestion: May be harmful or fatal if swallowed. May cause nausea, vomiting, gastrointestinal disturbances.

Inhalation: May cause irritation of the respiratory tract. Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists.

General: Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal. May aggravate existing lung and skin conditions. Prolonged exposure to solvent ingredients may cause adverse effects to the liver, urinary and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

## 4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. If irritation persists, consult a physician.

Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and launder before reuse. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Never give anything to an unconscious person. Contact a physician immediately.

## 5. FIRE FIGHTING MEASURES

Flash Point: 80°F; Flammable spray per CPSC Flame Extension Test. Propellant < 20°F (TCC)

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

Extinguishing Media: Foam, Carbon Dioxide, dry chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Use shielding equipment to protect against venting, rupturing or bursting cans.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area and remove with inert absorbent. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Dispose of according to all Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools and appliances. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash thoroughly after handling. When spraying more than one half can continuously or more than one can consecutively, use NIOSH-approved respirator.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits.

Personal Protective Equipment:

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator.

Eye: Wear approved safety glasses or goggles with unperforated sideshields.

Skin: Wear chemically impervious gloves. Wear long sleeves and long pants.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black.	Odor:	Solvent.
Physical State:	Liquid aerosol.	Volatile Weight:	> 92%
Product Weight:	10.8 lb/gal	Specific Gravity (Water = 1):	1.3
Boiling Point:	92°F	Melting Point:	NA
Solubility in Water:	Insoluble.	Evaporation Rate:	NA

## 10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Heat, sparks, flames or other sources of ignition. Vapors will accumulate readily and may ignite explosively.
Incompatibility:	Strong oxidizers, caustics or chemically active light metals. May adversely affect some plastics. Do not use on rubber, plastic, linoleum or any organic material.
Hazardous Decomposition Products:	Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride or traces of Phosgene gases.

## 11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains Methylene Chloride (75-09-2) which is listed as a NTP anticipated human carcinogen and an IARC Group 2B possible human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Butane	106-97-8	NE	658 mg/1/4 hr (rat)
Toluene	108-88-3	5000 mg/kg (oral rat)	5320 ppm/8 hr (mouse)
Methylene Chloride	75-09-2	1600 mg/kg (oral rat)	79000 mg/cu m/2 hr (rat)
Molybdenum Disulfide	1317-33-5	NE	NE

## 12. ECOLOGICAL INFORMATION

NA

## 13. DISPOSAL CONSIDERATIONS

Do not incinerate. Depressurize container. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data:	Consumer Commodity, ORM-D
Canadian TDG:	Not available for sale in Canada.
For International and Air Shipments:	Aerosols, Flammable, 2.1, UN1950.

## 15. REGULATORY INFORMATION

TSCA:	All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA:	All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65:	This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
	Toluene 108-88-3 < 10%

SARA 313:	This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372):
	Methylene Chloride 75-09-2 < 45%
	Toluene 108-88-3 < 10%

HMIS Classification: Health = 3 Flammability = 4 Reactivity = 0 Personal Protection = B

WHMIS Classification: Not available for sale in Canada.

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable  
NE = Not Established

**Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE KEEP OUT OF THE REACH OF CHILDREN.** While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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