

Preferred Industrial

MATERIAL SAFETY DATA SHEET

EMERGENCY#: CANUTEC (613)996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: MolyShield/Super Dry w/ Moly (Aerosol) **EFFECTIVE DATE:** Oct. 01, 2008
WHMIS CLASS: Class A, Class B-Div 5, Class D-Div2B
T.D.G. CLASSIFICATION: Consumer Commodity
UN: **CLASS:** **PG:** **CHEMICAL FAMILY:** N/A
MATERIAL USE: Dry Molybdenum Lubricant

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	TWA-TLV	LD50	LC50
Toulene	108-88-3	5-10	100ppm TWA	2500mg/kg oral, rat	8000ppm rat 4hr
Methylene Chloride	75-09-2	40-60	25ppm TWA	167mg/kg oral rat	19049 ppm rat 4hr
Liquefied Petroleum Gas	68476-85-7	20-40	1000ppm TWA	N/D	N/D

PHYSICAL DATA

BOILING POINT(°F): 33.0 **COEF. OF WATER/OIL DIST.:**
VAPOUR PRESSURE (psig @20°F): 62.0 **SPECIFIC GRAVITY (H₂O=1)@22°C:** 1.195
VAPOUR DENSITY (Air=1): >1 **PERCENT VOLATILE (by vol.):** 35%
SOLUBILITY IN WATER: Slight **EVAPORATION RATE (H₂O=1):**
PHYSICAL STATE: **ODOUR THRESHOLD:**
pH (as supplied): N/A **FREEZING POINT(°F):**
APPEARANCE AND ODOUR: Black liquid, mild sweet odour.

FIRE AND EXPLOSION DATA

FLAMMABILITY: Flammable Spray
FLASH POINT (Deg F method): 80.0 T.O.C.
UEL:
LFL:
HAZARDOUS COMBUSTION PRODUCTS:
MEANS OF EXTINCTION: Foam, carbon dioxide, dry media.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable
INCOMPATIBILITY: Avoid contact with strong oxidizing agents, alkaline oxides, acid anhydrides, esters.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, small amount of phosgene, carbon dioxide, carbon monoxides.

MolyShield (Super Dry w/Moly)

FIRST AID

EYE: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists, get medical attention immediately.

SKIN: Wash with soap and water. If irritation persists, get medical attention.

INHALATION: Remove to fresh air. Seek medical attention immediately. If breathing stops, get medical attention.

INGESTION: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF CHRONIC EXPOSURE:

EYE: May cause slight irritation, but does not irritate eye tissue.

SKIN: Wash with soap and water. If irritation persists, get medical attention.

INHALATION: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea, and other central nervous system effects.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis. Minimal toxicity

IRRITANCY:

RESPIRATORY TRACT SENSITIZATION:

CARCINOGENICITY: Non hazardous by WHIMIS criteria.

REPRODUCTIVE TOXIN: Not sufficient data

TERATOGENICITY: Not sufficient data.

MUTAGENICITY: Not sufficient data.

SYNERGISTIC MATERIALS: Not available

EXPOSURE LIMITS:

PREVENTATIVE MEASURES

GLOVES: None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact is to be made.

EYE PROTECTION: None needed unless it is anticipated that a splash, or spray back will occur, then wear safety glasses.

RESPIRATORY PROTECTION: None needed for proper use in accordance with directions on label.

ENGINEERING CONTROLS: Provide local exhaust to keep TLV of section II ingredients below acceptable limits.

LEAK AND SPILL PROCEDURE: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources, and open flame far away from spill or leak. Cover with absorbent material, and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with federal, provincial, and local regulations.

WASTE DISPOSAL: Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult federal, provincial, and local laws

STORAGE REQUIREMENTS: Store in a cool, dry area, away from open flame. Do not store in temperatures above 120 deg F. *Keep out of reach of children.*

HMIS HAZARD RATING INFORMATION

FLAMMABILITY

3

REACTIVITY

0

HEALTH

2

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DISCLAIMER AND/OR COMMENTS

We recommend that containers be either professionally reconditioned for re-use by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state, provincial, local laws and regulations. "Empty" drums should not be given to individuals.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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