

MSDS Material Safety Data Sheet

Wechem Inc.



Moly- D

MSDS Number: A299E

Revision Date: 07/02/07

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: Moly- D
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2 HAZARDS IDENTIFICATION

Route of Entry: Skin absorption, inhalation
Target Organs: NA
Inhalation: High concentration can cause nasal and respiratory irritation.
Skin Contact: Prolonged exposure may cause irritation
Eye Contact: May cause irritation, corneal injury
Ingestion: Can cause gastrointestinal irritation, nausea, diarrhea, vomiting.

HMIS II-ratings (scale 0-4): Health = 2, Fire = 4, Reactivity = 0
HMIS III-ratings (scale 0-4): Health = 2, Fire = 4, Physical Hazard = 2
NFPA-ratings (scale 0-4): Health = 2, Fire = 4, Reactivity = 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

| Cas # | Chemical Name | Perc. | OSHA PEL (ppm) | ACGIH TLV(ppm) | Carcin. Ref. |
|-----------|---|-------|-------------------|-------------------|-----------------|
| 108883 | Toluene | 01-10 | 100 | 50 | C |
| 67641 | Acetone | 20-30 | 1000 | 500 | C |
| 8052413 | Aliphatic Hydrocarbons | 01-10 | 500 | 100 | D |
| 68476868 | Liquefied Petroleum Gas | 35-45 | 1000 | 1000 | D |
| 67630 | Isopropanol | 01-10 | 400 | 200 | D |
| 426260766 | Heptane, Branched, Cyclic and Linear | 10-20 | 500 | 400 | D |
| 1317335 | Molybdenum Disulfide | 01-10 | 15mg/m3 | 10mg/m3 | D |



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4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Resuscitate if necessary. Seek medical attention.
Skin Contact: Wash with soap and water. If irritated seek medical attention.
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.
Ingestion: Do not induce vomiting. Get medical attention.

5 FIRE FIGHTING MEASURES

Flash Point: 2 Deg. F.
Flash Point Method: NA
Burning Rate: ND
Autoignition Temperature: ND
LEL: ND
UEL: ND
Flammability Classification: Extremely Flammable spray

Extinguishing media: Foam, dry chemical, carbon dioxide

Special Fire fighting procedures: Use self-contained breathing apparatus and protective clothing. Cool fire-exposed containers to prevent rupturing.

Unusual Fire & Explosion Hazard: Exposure to temperature above 120 Deg. F. may cause bursting.

eg. F.

6 ACCIDENTAL RELEASE MEASURES

Contain spill and absorb with suitable medium. 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.

7 HANDLING AND STORAGE

Handling Precautions: Store in a cool, dry area away from sparks, flames and other source of ignition.
Storage Requirements: Store in a cool, dry area away from sparks, flames and other source of ignition. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust to keep TLV below acceptable limits.
Protective Equipment: HMIS PP, B | Goggles, Gloves
Respiratory Protection: None needed for proper use in accordance with label directions. Air supplied respirator in confined areas.
Protective gloves: Rubber/ chemical resistant
Eye protection: Safety glasses/ goggles
Exposure Guidelines/Other: Hygienic work practices: Wash with soap and water before handling food.



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9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|----------------------|------------------------------|--------------------------|
| Appearance: | Dark grey liquid | Boiling Point: | 135 Deg. F. (Conc) |
| Physical State: | Liquid | Freezing/Melting Pt.: | NA |
| Odor: | Solvent | Solubility: | Negligible |
| pH: | NA | Spec Grav./Density: | (H2O=1): @ 0.85 +/- 0.05 |
| Vapor Pressure: | 50 psig @ 72 Deg. F. | | |
| Vapor Density: | (Air=1): >1 | | |
| Heat Value: | NA | | |
| VOC: | 67.27 % | | |
| Evap. Rate: | NA | | |
| Bulk Density: | NA | | |
| Octanol: | NA | | |
| Molecular Weight: | NA | | |
| Particle Size: | NA | | |
| Softening Point: | NA | | |
| Viscosity: | NA | | |
| Percent Volatile: | 67.27 | | |
| Sat. Vap. Concentrat.: | NA | | |
| Molecular Formula: | NA | | |

10 STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable |
| Conditions to avoid: | Heat, contact with strong oxidizers |
| Materials to avoid (incompatibility): | Strong oxidizers |
| Hazardous Decomposition products: | Carbon Monoxide, Carbon Dioxide, Sulfur Oxides |
| Hazardous Polymerization: | Will not occur |

11 TOXICOLOGICAL INFORMATION

NA

12 ECOLOGICAL INFORMATION

NA

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.



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14 TRANSPORT INFORMATION

Proper Shipping Name: Consumer Commodity, ORM-D

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Toluene (108883 1-10%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TXAIR, TXHWL

*Acetone (67641 20-30%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, TOXICRCRA, TXAIR, TXHWL

*Liquefied Petroleum Gas (68476868 35-45%) MASS, OSHAWAC, PA, TXAIR

*Isopropanol (67630 1-10%) MASS, NJHS, NRC, OSHAWAC, PA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
NRC = Nationally Recognized Carcinogens

16 OTHER INFORMATION

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal data only
N/A = Not available N/D = Not determined

END OF MSDS DOCUMENT