MATERIAL SAFETY DATA SHEET
Dry Moly Lubricant

CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477

HEALTH	2
FLAMMABILITY	4
REACTIVITY	0
PPE	

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Supercedes Revision: 09/15/2010
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1. Product and Company Identification

Product Code: C-3322

Product Name: Dry Moly Lubricant

Manufacturer Information

Company Name: CYCLO INDUSTRIES, INC.

Phone Number: (800)843-7813

Fax Number: (561)745-3867

Emergency Contact: First Aid Emergency (800)222-1222

Alternate Emergency Contact: Chemtrec (703) 527-3887 (800)424-9300

Information: First Aid Emergency (Outside U.S.) (312)906-6194

Web site address: www.cyclo.com

Email address: ehs@cyclo.com

2. Hazards Identification

Emergency Overview

DANGER: Extremely flammable. Vapor may cause flash fire. Harmful or fatal if swallowed. Vapor harmful. Eye & skin irritant. Contents under pressure.

Potential Health Effects (Acute and Chronic)

Eye Contact: Direct eye contact may cause slight temporary irritation. Causes irritation, redness and pain. Causes moderate to severe eye irritation. Moderately irritating to the eyes.

Skin Contact: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis. Prolonged contact with liquid may cause slight temporary irritation. May be absorbed through the skin in harmful amounts. Skin absorption of material may produce systemic toxicity.

Inhalation: Harmful if inhaled. Prolonged inhalation may be harmful. Inhaling large quantities of mist or vapors may cause some irritation to nose, throat and lungs. Gross overexposure may cause: central nervous system depression with dizziness, confusion, incoordination, drowsiness or unconsciousness. Irregular heartbeat with a strange sensation in the chest, "heart thumping", apprehension, lightheadedness, feeling of fainting, dizziness, weakness, sometimes progressing to loss of consciousness and death. Suffocation, if air is displaced by vapors. Exospore to high doses may cause central nervous system depression (anesthetic-like effects). Doses which cause anesthetic-like effects may also cause adverse effects in liver, lungs and kidneys. Headache. Dizziness.

Ingestion: Ingestion is not considered to be a hazard encountered in normal industrial use. This material may be harmful or fatal if swallowed. Irritating to mouth, throat and stomach. Aspiration hazard. Depression of the central nervous system can occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Hazards: Overexposure may cause nervous system damage, lung damage, kidney damage and liver damage. Repeated contact with skin may irritate pre-existing skin conditions.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Liquified petroleum gas, sweetened	68476-86-8	40.0 -50.0 %
2. Acetone	67-64-1	20.0 -30.0 %
3. Toluene	108-88-3	20.0 -30.0 %
4. Isopropyl alcohol	67-63-0	1.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of eye contact, flush eyes with running water for 5 minutes while holding eyelids open. Remove contact lenses if wearing and flush open eyes with running water for at least 15 minutes. In case of skin contact, wash with soap and large amounts of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flash Pt: -141.00 F (-96.1 C) Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: 1.2 UEL: 12.8

Autoignition Pt: No data available.

Fire Fighting Instructions

Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Flammable Properties and Hazards

Vapors can travel to a source of ignition and flash back. Extremely flammable. Material will readily ignite at room temperatures in the presence of an ignition source. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Contents under pressure. Containers may explode if exposed to high temperatures.

Hazardous Combustion Products

No data available.

Suitable Extinguishing Media

Alcohol foam. Carbon dioxide. Dry chemical. Water fog.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Do not flush into surface water or sanitary sewer system.

7. Handling and Storage

Precautions To Be Taken in Handling

Wash thoroughly after handling. Ensure all equipment is electrically grounded before beginning transfer operations. Use only in well ventilated area. Keep out of the reach of children.

Precautions To Be Taken in Storing

Keep away from heat, sparks and flame. Keep from freezing. Keep container closed when not in use. Do not store above 120 degrees F. Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or incinerate container.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TWA	Other Limits
1. Liquified petroleum gas, sweetened	68476-86-8	No data.	No data.	No data.
2. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
3. Toluene	108-88-3	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm	No data.
4. Isopropyl alcohol	67-63-0	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

Respiratory Equipment (Specify Type)

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection

Wear safety glasses with side shields or goggles when using this product.

Protective Gloves

Impervious gloves should be used. The following gloves may provide protection against permeation: viton gloves, Teflon gloves, polyvinyl alcohol gloves. Gloves of other chemically resistant materials may not provide adequate protection.

Other Protective Clothing

Wear impervious protective clothing including boots, protective apron or coveralls to prevent skin contact.

Engineering Controls (Ventilation etc.)

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment.

Work/Hygienic/Maintenance Practices

Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Melting Point: No data.

Boiling Point: -23.00 F (-30.6 C) - 231.00 F (110.6 C)

Autoignition Pt: No data.

Flash Pt: -141.00 F (-96.1 C) Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: 1.2 UEL: 12.8

Specific Gravity (Water = 1): .6750

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): > air

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: Negligible

Percent Volatile: 68.8 % by weight.

VOC / Volume: 3.8600 LB/GA

Appearance and Odor

Gray-green with solvent odor.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability

Open flames and high temperatures, all sources of ignition and welding arcs.

Incompatibility - Materials To Avoid

May react with oxygen and strong oxidizing agents such as chlorates, nitrates, peroxides, etc. Avoid contact with strong oxidizers, strong mineral acids and halogens.

Hazardous Decomposition Or Byproducts

Oxides of carbon, aldehydes, hydrocarbons, carbon monoxide, carbon dioxide, smoke, fumes.

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

No data available.

Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Liquified petroleum gas, sweetened	68476-86-8	n.a.	n.a.	n.a.	n.a.
2. Acetone	67-64-1	n.a.	n.a.	A4	n.a.
3. Toluene	108-88-3	n.a.	n.a.	A4	n.a.
4. Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity

DOT Hazard Class: ORM-D

DOT Hazard Label: ORM-D

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name Aerosols, Flammable

UN Number: 1950

Hazard Class: N.A.

IATA Classification: 2.1

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name Aerosols Ltd. Qty.

UN Number: 1950

Hazard Class: N.A.

IMDG Classification: 2.1

Marine Pollutant: No

Additional Transport Information

No data available.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Liquified petroleum gas, sweetened	68476-86-8	No	No	No	No
2. Acetone	67-64-1	No	Yes 5000 LB	No	Yes
3. Toluene	108-88-3	No	Yes 1000 LB	Yes	Yes
4. Isopropyl alcohol	67-63-0	No	No	Yes	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Liquified petroleum gas, sweetened	68476-86-8	No	No	Inventory	No
2. Acetone	67-64-1	No	No	Inventory	No
3. Toluene	108-88-3	HAP	Yes	Inventory, 8A CAIR	Yes
4. Isopropyl alcohol	67-63-0	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Liquified petroleum gas, sweetened	68476-86-8	No	No	No	No
2. Acetone	67-64-1	Title 8	Yes	Part 5	No
3. Toluene	108-88-3	TAC, Title 8	Yes	CMR, Part 5	Yes
4. Isopropyl alcohol	67-63-0	TAC, Title 8	No	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Liquified petroleum gas, sweetened	68476-86-8	No	No	No	No
2. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No
3. Toluene	108-88-3	Yes - 1866	Yes	Yes - E	Yes
4. Isopropyl alcohol	67-63-0	Yes - 1076	No	Yes - E	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Liquified petroleum gas, sweetened	68476-86-8	No
2. Acetone	67-64-1	Yes
3. Toluene	108-88-3	Yes
4. Isopropyl alcohol	67-63-0	No

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Liquified petroleum gas, sweetened	68476-86-8	Yes	No	No
2. Acetone	67-64-1	Yes	No	No
3. Toluene	108-88-3	Yes	No	No
4. Isopropyl alcohol	67-63-0	Yes	No	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec.302: EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.

Sec.304: EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.

Sec.313:	EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
Sec.110:	EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

Inventory:	Chemical Listed in the TSCA Inventory.
5A(2):	Chemical Subject to Significant New Rules (SNURS)
6A:	Commercial Chemical Control Rules
8A:	Toxic Substances Subject To Information Rules on Production
8A CAIR:	Comprehensive Assessment Information Rules - (CAIR)
8A PAIR:	Preliminary Assessment Information Rules - (PAIR)
8C:	Records of Allegations of Significant Adverse Reactions
8D:	Health and Safety Data Reporting Rules
8D TERM:	Health and Safety Data Reporting Rule Terminations
12(b):	Notice of Export

Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65
CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critica Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Company Policy or Disclaimer

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