



U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form). Format meets ANSI Z400.1-
1998, OSHA 1910.1200 and WHMIS requirements.

Safety Data Sheet


May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Section 1: Product and Company Identification

Product Name: DRY MOLY LUBE
Product Description: Dry moly lube (10 oz aluminum can with printed label, 12 cans/box)
Manufacturer: TECHNIWELD USA
Physical Address: 6205 BOAT ROCK BLVD
ATLANTA, GA 30336
Mailing Address: P.O. Box 44226
ATLANTA, GA 30336
Business Phone: 404-699-9900
Business Fax: 404-699-7800
E-mail Address: info@TWUSA.COM
Web Address: www.TWUSA.COM
Emergency Phone: CHEMTREC (24-Hour) 1-800-424-9300
Outside of the USA & Canada 1-703-527-3887
Date of Preparation: November 28, 2024
OSHA Regulatory Status: Non-Regulated
WHMIS Classification: Not a Controlled Product

Section 2: Hazards Identification

Physical hazards	Aerosols Skin corrosion/irritation
Health hazards	Serious eye damage/eye irritation Reproductive toxicity (the unborn child) Specific target organ toxicity, single exposure Specific target organ toxicity, repeated exposure Aspiration hazard
Environmental hazards	Hazardous to the aquatic environment, acute hazard Hazardous to the aquatic environment, long-term hazard

	Not classified.
OSHA-defined hazards Label elements	
Signal word	Danger
Hazard statement	<p>Flammable Liquid; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long-lasting effects.</p>
Precautionary statement Prevention	<p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not apply while the equipment is energized.</p> <p>Pressurized container: Do not pierce or burn, even after use. Extinguish all flames, pilot lights, and heaters. Vapors will accumulate readily and may ignite. Do not breathe gas. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while the product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not breathe mist or vapor. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.</p>
Response	<p>If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. If inhaled: Remove the person to fresh air and keep comfortable for breathing. Call a poison</p>

	center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical attention. Collect spillage.
Storage	Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperatures may cause the can to burst.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

Section 3: Composition and Information on Ingredients

Mixtures			
Chemical name	Common names and synonyms	CAS number	%
Aliphatic Hydrocarbon		64742-47-8	20 - 30
Petroleum Base Oil		Mixture	10 - 20
Molybdenum disulfide		1317-33-5	20 – 30
Propane		74-98-6	10 - 20
Butane		106-97-8	10 - 20
Specific chemical identity and/or percentage of composition has been withheld as a trade secret.			

Section 4: First Aid Measures

Eye: Immediately flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin: In case of contact, wash thoroughly with plenty of water. Get medical attention if irritation persists. **Inhalation:** Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention. **Ingestion:** Aspiration Hazard. DO NOT induce vomiting. Get immediate medical attention.

The most important symptoms and effects, both acute and delayed: Cause eye and skin irritation. The product is an aspiration

hazard. May enter the lungs during swallowing or vomiting and cause lung damage. Inhalation may cause irritation, headache, dizziness, and drowsiness.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required for ingestion

Section 5: Fire Fighting Measures

Suitable extinguishing media	Powder. Alcohol resistant foam. Dry sand. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Water. Do not use a water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized containers may rupture when exposed to heat or flame.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	In case of fire: Stop the leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from the fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build-up. For massive fires in the cargo area, use an unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let the fire burn out.
General fire hazards	Flammable Liquid

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in the immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate the area until the gas has dispersed. Cover with a plastic sheet to prevent spreading. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush the area with water.

Environmental precautions

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean the surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Contact local authorities in case of spillage to the drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses, or onto the ground

Section 7: Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if the spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until the sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not reuse empty containers. Do not breathe mist or vapor. Do not breathe gas. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only in well-ventilated areas. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Wear appropriate personal protective equipment. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

Category 2.1 Liquid.

Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate, or crush. Do not handle or store near an open flame, heat, or other sources of ignition. This material can accumulate static charge which may cause a spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Exposure standards	Not established.
Engineering controls	Conventional airflow is generally considered to be acceptable. In confined areas, exhaust fans should be utilized in accordance with good working practices.
Hand protection	Neoprene rubber, impermeable gloves, cuffed butyl rubber, Nitrile rubber, or PVC gloves are suitable.
Eye protection	Splash-proof eye goggles.
Skin protection:	Long-sleeved clothing.
Flammability	Flammable.
Respiratory protection	If ventilation is sufficient, wear respiratory protection.
General Protective measures	Avoid contact with eyes and skin. Do not inhale gases/vapors/aerosols.
Hygiene measures	At work do not eat, drink, smoke, or take drugs.
Hazardous Ingredient	Occupational Exposure limits
Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m3 TWA (Inhalable) ACGIH TLV (as mineral oil) 5 mg/m3 TWA, 10 mg/m3 STEL Canada- Québec (as oil mist, mineral) 5 mg/m3 TWA, 10 mg/m3 STEL Canada- Ontario (as oil mist, mineral) 1 mg/m3 TWA British Columbia (as Oil mist-mineral, severely refined)
Propane, Butane	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA, 30,000 ppm STEL Canada-Ontario 5000 ppm TWA, 30,000 ppm STEL Canada-Québec 5000 ppm TWA, 15,000 ppm STEL British Columbia

Section 9: Physical and Chemical Properties

Appearance

Physical state	Liquid.
Form	Aerosol
Color	Black
Odor	Pungent
% Volatile (by volume)	<30%
% Non-volatile (by volume)	72 ± 2%
Relative density	0.85 ± 2 kg/l
Melting point/freezing point	Not available
Initial boiling point and boiling range	>60°C (140°F)
Flash point	40°C (104°F)
Vapour pressure @ 20°C	approx. 60 mm Hg

Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits Flammability limit - lower (%)	Not determine
Flammability limit - upper (%)	Not determine
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	5.8 lbs/gal.
Weight per volume	Not available
Decomposition temperature	Not available
Viscosity (kinematic)	Not available

Section 10: Stability and Reactivity

Reactivity Chemical stability

The product is stable and non-reactive under normal conditions of use, storage, and transport. Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction is known under conditions of normal use.

Conditions to avoid

Heat, flames, and sparks. Contact with incompatible materials.

Incompatible materials

Acids. Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

Hazardous decomposition products

Hydrocarbon fumes and smoke. Carbon monoxide.

Section 11: Toxicological Information

Information on likely routes of exposure Inhalation	Vapors have a narcotic effect and may cause headaches, fatigue, dizziness, and nausea. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.

Ingestion	May be fatal if swallowed and enters airways.
Symptoms related to the physical, chemical, and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. It may cause redness and pain. Symptoms of overexposure may be a headache, dizziness, tiredness, nausea, and vomiting.
Information on toxicological effects Acute toxicity	May be fatal if swallowed and enters airways. Narcotic effects.

PRODUCT (Super Dry Moly Lube)	SPECIES	TEST RESULT
Derma - LD50	Rabbit	11663 mg/kg estimated
Inhalation -LC50	Rabbit	6351 mg/l, 4 hours estimated
Oral -LD50	Rabbit	6409 mg/kg estimated

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation
Respiratory sensitization	Not available
Skin sensitization	This product is not expected to cause skin sensitization
Germ cell mutagenicity	No data is available to indicate the product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	Not available

Reproductive toxicity	Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Narcotic effects.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

Section 12: Ecological Information

Ecotoxicity	No specific aquatic toxicity data is currently available; however, components of this product are not expected to be harmful to aquatic organisms
Persistence and Degradability	Components are readily biodegradable.
Bioaccumulative Potential	Bioaccumulation is not expected based on an assessment of the ingredients.
Mobility in Soil	No data available
Other Adverse Effects	unknown

Section 13: Disposal Considerations

Disposal of waste from residues / unused products	If discarded, this product is considered an RCRA ignitable waste, D001. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate, or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used containers. Dispose of contents/containers in accordance with local/regional/national regulations.
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Hazardous waste code	D001: Waste Flammable material with a flash point <140 F
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after the container is emptied. Do not re-use empty containers

Section 14: Transportation Information

DOT Proper Shipping Name: UN1950, Aerosols, Limited Quantity

DOT Technical Name: None

DOT Hazard Class: 2.1

UN Number: UN1950

DOT Labels Required (49CFR172.101): LTD QTY

ICAO/IATA

Proper Shipping Name: Aerosols, flammable

Hazard Class: 2.1, Ltd Qty

Identification Number: UN1950

IMDG Shipping Description: UN1950, Aerosols, Limited Quantity

ID Number: UN1950

Hazard Class: 2.1

Packing Group: None

Labels Required: None

Marking Required: Limited Quantity Mark

Placards Required: Limited Quantity

Section 15: Regulatory Information

15. 1 Safety, health, and environmental regulations/legislation specific for the substance or mixture **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Super Dry Moly Lube

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Authorizations (Title VII Regulation 1907/2006)

No specific authorizations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

Section 16: Other Information

Further information	Not available
HMIS® ratings	Health: 2* Flammability: 4 Physical hazard: 0 Personal Protection: B
NFPA ratings	Health: 2 Flammability: 4 Instability : 0

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