



LPS LABORATORIES

MSDS

MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Manufacturer's Name:
LPS Laboratories

Trade Name:
LPS Force 842° Dry Moly Lubricant

Address (Number Street):
4647 Hugh Howell Road

Chemical Family:
Aliphatic and Oxygenated Hydrocarbons

Address (City, State, Zip):
Tucker, GA 30085-5052

Part Numbers:
02516

Telephone Number: 770-934-7800

Emergency Telephone Number: 1-800-424-9300 Chemtrec

Outside U.S.: (703) 527-3887

Hazardous Materials Description and proper shipping name (49 CFR 172.101): Compound, Boiler, Preserving Liquid
NMFC 50093 SUB 2 BRL/BXS CL55 CONSUMER COMMODITY ORM-D

TSCA Inventory:
All of the ingredients are listed on the TSCA inventory.

HMIS Labeling:

Health:	1
Flammability:	3
Reactivity:	0

Section 2 - Hazardous Ingredients / Identity Information

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Isohexane	107-83-5	40-50	500 ppm	500 ppm	1,000 ppm STEL
Isopropyl Alcohol; Isopropanol	67-63-0	15-25	400 ppm	400 ppm	500 ppm STEL
n-Hexane	110-54-3	1-2	50 ppm	50 ppm	-
Aromatic 100	64742-95-6	1-2	100 ppm	25 ppm	NE
Molybdenum Disulfide	1317-33-5	3-4	15 mg/m3*	N.E.	None
Isobutane/Propane Propellant	68476-85-7	20-30	1,000 ppm	N.E.	None
* Nuisance dust					

Section 3 - Physical / Chemical Characteristics

Boiling point (F°):	141°	Specific gravity (H2O = 1):	0.750
Vapor pressure @ 20°C:	40-50 PSIG	Percent volatile by volume (%):	95%
Vapor density (Air = 1):	Approx. 3.0	Evaporation rate (Ethyl Ether = 1):	<1
Solubility in water:	<25%		
Appearance/Odor: Gray, black liquid with mild alcohol odor.			

Section 4 - Fire and Explosion Hazard

Flash point (method used): N.E. (aerosol package) **Flammable limits:** LEL = N.E. UEL = N.E.

Extinguishing media: Foam, Carbon Dioxide, Dry Chemical.

Firefighting procedures: Wear self-contained breathing apparatus approved by NIOSH. Use water to keep containers cool.

Unusual fire and explosive hazards: Intense heat created by fire will cause aerosols to burst. Flammable vapors which are heavier than air may accumulate in low areas and/or spread along the ground away from handling site.

Section 5 - Health Hazard Data

N.E. = Not established
N.A. = Not applicable

Primary route(s) of entry: Eyes, inhalation, skin.

Health hazard/effects of over exposure:

Eyes: Vapor and liquid may cause irritation.

Skin: Prolonged or repeated contact may cause drying of skin. Can be absorbed through skin.

Inhalation: Headache, light headedness, giddiness, central nervous system depression. May irritate mucosal tissue at high concentration.

Ingestion: Unlikely route of exposure. However, minute amounts aspirated into lungs during ingestion may cause chemical pneumonia.

Medical conditions aggravated by exposure: Pre-existing respiratory disorders.

Chemicals listed as potential carcinogen: NTP: No IARC: No OSHA: No

Emergency and first aid procedures:

Eyes: Flush with plenty of cold water and contact physician.

Skin: Wash with soap and water; apply medicated skin cream.

Inhalation: Move to fresh air and contact physician. Give oxygen if indicated.

Ingestion: Do not induce vomiting. Contact physician immediately

Section 6 - Reactivity Data

Stability: Stable

Conditions to avoid: Open flames, electric arcs and other hot surfaces which may cause thermal decomposition.

Incompatibility (Materials to avoid): Oxygen and strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, if burned.

Hazardous polymerization: Will not occur.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken when material is released or spilled: Evacuate area and ventilate. Remove leaking container and transfer remaining product to another vessel. Mop or soak up spill with absorbent material and transfer to disposal drums using non-sparking equipment. Store in closed containers. Do not flush product to sewer.

Waste disposal methods: Dispose of in accordance with federal, state and local regulations for flammable hydrocarbons.

RCRA Hazardous Waste No.: This material has the RCRA characteristic of ignitability and if discarded in its purchased form, would have the hazardous waste number D001.

CERCLA Reportable Quantity: 100 lbs.

SARA TITLE III Chemicals: Yes. CAS # 110-54-3.

Precautions to be taken in handling and storage: Store aerosols below 120°F and above 32°F. Store away from ignition sources and avoid breathing vapors and prolonged skin contact. Vapors will collect in low areas. Use and store with adequate ventilation.

Section 8 - Control Measures

Respiratory Protection: None required if good ventilation is maintained. If vapor concentration rises above TLV, use NIOSH approved organic respirator or self-contained breathing apparatus.

Ventilation: Use adequate ventilation to maintain TLV and prevent accumulation of vapors in low lying areas.

Protective Gloves: Use solvent resistant gloves for liquid handling (Buna-N or Neoprene).

Eye protection: Goggles if splashing is likely.

Other protective equipment: None

Work/hygienic practices: Do not get in eyes, skin, or clothing. Remove contaminated clothing and launder before reuse.

Section 9 - Preparation Date of MSDS

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LPS Laboratories

ITW

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