



LPS LABORATORIES, INC.

MATERIAL SAFETY DATA SHEET

Section 1 • Product Identification and Use

Manufacturer's Name:
LPS Laboratories, Inc.

Trade Name:
LPS 1 Greaseless Lubricant

Address (Number Street)
4647 Hugh Howell Road

Chemical Family:
Petroleum Hydrocarbons

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

Part Numbers:
00017, 00116, 01128, 00105, 00155

Telephone Number: 404-934-7800

Emergency Telephone Number:

1-800-424-9300 Chemtrec

Outside U.S. (202) 887-1255

LPS 1 Greaseless Lubricant

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:	2
Reactivity:	0

Section 2 • Hazardous Ingredients / Identity Information

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Aliphatic Hydrocarbon	64742-96-7	70-80	500 ppm	N.E.	None
Aliphatic Petroleum Naptha	64742-30-9	20-30	5mg/m ³ *	5mg/m ³ *	10 mg/m ³ * STEL
Non-hazardous Proprietary Blend		3-5	N.E.	N.E.	None
Carbon dioxide propellant (aerosol only)	124-38-9	2-3	10,000 ppm	5,000 ppm	30,000 ppm STEL

* Oil mist

Section 3 • Physical / Chemical Characteristics

Boiling point: (F°):	350°F	Specific gravity (H₂O = 1):	0.80
Vapor pressure (mmHg) @100°F:	2	Percent volatile by volume (%):	95
Vapor density (Air = 1)	4.7	Evaporation rate (n-Butyl Acetate = 1):	.07
Solubility in water:	Nil		

Appearance and odor: Clear, thin liquid with sweet odor.

Section 4 • Fire and Explosion Hazard

Flash point (method used): 175°F SETA Flash	Flammable limits (of diluent):	LEL	UEL
		1%	6%

Extinguishing media: Foam, dry chemical, carbon dioxide.

Initial fire fighting procedures: Do not use water. Treat as combustible petroleum distillates.
Unusual fire and explosive hazards: Intensive heat created by fire will cause aerosols to burst.

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

Section 5 • Health Hazard Data

Primary route(s) of entry: Inhalation, eyes

Health hazard/effects of over exposure:

Inhalation: Headache, dizziness, nausea and anesthetic effects.

Eyes: Irritation.

Skin: Repeated or prolonged contact may cause drying of skin.

Ingestion: Not a likely route of exposure. Low order of oral toxicity; however minute amount aspirated into lungs during ingestion may cause severe pulmonary injury.

Medical conditions aggravated by exposure: None from normal exposure.

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

Emergency and first aid procedures:

Inhalation: Move to fresh air. Contact physician.

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

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

Ingestion: Contains aliphatic hydrocarbons and petroleum oil. Do not induce vomiting. Contact physician immediately.

Section 6 • Reactivity Data

Stability: Stable

Conditions to avoid: Avoid sparks or open flames. See handling and storage precautions.

Incompatibility (Materials to avoid): Strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon monoxide.

Hazardous polymerization: Will not occur.

Section 7 • Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Ventilate area by opening doors and windows. Remove ignition sources. Remove leaking container and transfer remaining product to another vessel. Prevent product from going into sewers and water sources by diking or impounding. Using appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.

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

RCRA Hazardous Waste No.: N.A.

CERCLA Reportable Quantity: None

SARA TITLE III Chemicals: None

Precautions to be taken in handling and storage: Store aerosols below 120°F and above 32°F. Store bulk below 150°F and above 32°F. Store away from ignition sources and avoid breathing vapors.

Section 8 • Control Measures

Respiratory Protection: None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

Ventilation: Local exhaust is usually adequate. However, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

Protective gloves: Use solvent resistant gloves for liquid handling.

Eye protection: For spraying or splashing of solvent, use face shield or goggles.

Other protective equipment: None.

Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and laundry before reuse.

June 14, 1991

John Roudebush, Director of Research and Development
L. S. Laboratories, Inc.

Form # 2500
LPS 1 Greaseless Lubricant

 Morgan



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