LPS LABORATORIES
WHMIS
WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM

Section 1 - Product Identification and Use

Manufacturer's Name:
LPS Laboratories

Address (Number Street):
4647 Hugh Howell Road

Address (City, Province, Postal Code):
Tucker, GA 30085-5052

Telephone Number: 770-934-7800

Emergency Telephone Number:
1-613-996-6666 CANUTEC

Product Identifier:
LPS 1 Greaseless Lubricant

Product Use:
Lubricant

Part Numbers:
C30116, C00122, C01128, C00105, C00155

Packaging:
Aerosol (312 grams), 591 milliliter, 3.78 liter, 18.93 liter and 208 liter containers

WHMIS Classification:
Aerosol: Class A, Class B Div. 5, Class D Div. 2B
Bulk: Class B Div. 3, Class D Div. 2B

Section 2 - Hazardous Ingredients

Ingredients	CAS Numbers	%WW	LC 50	LD 50	TLV
Aliphatic Petroleum Hydrocarbon	64742-47-8	70-80	n.av.	>5 kg (rat)	n.a.v
Aliphatic Petroleum Naphtha	64742-30-9	20-30	n.av	n.av..	100 ppm
Carbon dioxide propellant (aerosol only)	124-38-9	2-3	n.av	n.av.	5,000 ppm

Section 3 - Physical Data

Boiling point (C°): 177°C
Vapor pressure @37.8°C: < 2
Vapor density (Air = 1): 4.7
Coefficient of Water/Oil Distribution: < 1
Physical State: Thin liquid
Odor/Color: Amber with wintergreen odor
Odor Threshold (ppm): n.av.

Specific gravity @ 25 C: .80
Evaporation rate (n-Butyl Acetate = 1): < .07
Freezing Point (C°): n.ap.
pH: n.ap.
Solubility in water (% by weight): < .1
Percent volatile by volume (%): 95

Section 4 - Fire and Explosion Hazard

Flammability: Yes X No Product will ignite when heated above flash point and exposed to an open flame.
Flash point: 80°C TCC **Flammable limits:** LEL 1% UEL 6%
Autoignition temperature: n.av.
Extinguishing media: Foam, dry chemical, or carbon dioxide. Water can be used to cool closed containers.
Hazardous combustion products: Carbon dioxide and carbon monoxide
Sensitivity to impact: None **Sensitivity to static discharge:** None
Special hazards (including explosion data): Excessive heat created by fire will cause aerosols to burst. Never use welding or cutting torch on or near drum (even when empty).

n.av. = not available
n.ap. = not applicable

Section 5 - Reactivity Data

Stability: Stable **Conditions to avoid:** Avoid sparks or open flames.
Incompatibility (materials to avoid): Strong oxidizing agents such as liquid chlorine, concentrated oxygen and sodium hypochlorite.
Hazardous decomposition products: Thermal decomposition may yield carbon monoxide.
Hazardous polymerization: Will not occur.
Reactivity and under what conditions: None
Reactivity and under what conditions: None known at this time.

Section 6 - Toxicological Properties

Primary route(s) of entry: Inhalation, eyes, ingestion (unlikely).
Exposure limits: Not established.
Acute effects of over exposure:
Inhalation: Headache, dizziness, nausea and anesthetic effects.
Eyes: Irritation.
Skin: Repeated or prolonged contact may cause drying of skin.
Ingestion: Minute amounts aspirated into lungs during ingestion may cause severe pulmonary injury.
Chronic effects of exposure: None known at this time.
Carcinogenicity: None known at this time.
Medical conditions generally aggravated by exposure: None from normal exposure.
Other toxicological properties (including reproductive toxicity, synergistic effects, sensitization, teratogenicity, mutagenicity): None known at this time.

Section 7 - Preventative Measures

Personal Protection:
Hands: Use solvent resistant gloves (nitrile, neoprene) when handling liquid.
Eyes: Use face shield or goggles when spraying or splashing liquid.
Respiratory: None required if good ventilation is maintained. For enclosed areas, use an organic vapor respirator or self-contained breathing apparatus.
Engineering controls: 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.
Procedures to be followed in case of leak or spill: Ventilate area by opening windows and doors. Remove ignition sources. Remove leaking container and transfer remaining product to another vessel. For large spills, prevent product from going into sewers and water sources by diking or impounding. Use appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.
Waste disposal: Dispose of in accordance with municipal, provincial, and federal regulations for petroleum distillates. Do not incinerate aerosols. Do not flush to the sewer.
Handling and storage procedures: Store aerosols and bulk below 50°C and above 0°C. Store away from ignition sources and avoid breathing vapors. Wash hands with soap and water after use, or before breaks and lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

H.M.I.S. Labeling:	**Health:** 1	**Fire:** 2	**Reactivity:** 0	**Personal Protection:** B
N.F.P.A. Labeling:	**Health:** 1	**Fire:** 2	**Reactivity:** 0	

Section 8 - First Aid Measures

Emergency and first aid measures:
Inhalation: Move to fresh air and contact physician.
Eyes: Flush eyes with plenty of water, contact a physician.
Skin: Wash with soap and water; apply medicated skin cream.
Ingestion: Contains petroleum distillates and petroleum oil. Do not induce vomiting. Contact physician immediately.

Section 9 - Preparation Date

The foregoing technical information and recommendations are compiled from sources that are believed to be accurate and reliable. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The purchaser is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

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WHMIS LPS 1 Greaseless Lubricant

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