

**LPS LABORATORIES
WHMIS
WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM**

Section 1 - Product Identification and Use

Manufacturer's Name: LPS Laboratories	Product Identifier: LPS Heavy-Duty Silicone Lubricant
Address (Number Street): 4647 Hugh Howell Road	Product Use: Lubricant
Address (City, Province, Postal Code): Tucker, GA 30085-5052	Part Numbers: C01516, C01505
Telephone Number: 770-934-7800	Packaging: Aerosol (369 grams), 18.93 liters
Emergency Telephone Number: 1-613-996-6666 CANUTEC	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
Isoparaffinic Solvent	64742-48-9	10-30	n.av.	> 5 g/kg*	300ppm Supplier
Propane/Isobutane (aerosol only)	68476-85-7	10-20	n.av.	n.av.	1,000 ppm

* acute oral, rat

Section 3 - Physical Data

Boiling point (C°):	Apprx. 100°	Specific gravity @ 25 C:	0.93
Vapor pressure (mmHg):	N.E.	Evaporation rate (ethyl ether = 1):	10
Vapor density (Air = 1):	> 1	Freezing Point (C°):	0° C
Coefficient of Water/Oil Distribution:	< 1	pH:	n.ap.
Physical State:	Thick liquid	Solubility in water (% by weight):	>70%
Odor/Color: White milky liquid with mild odor.		Percent volatile by volume (%):	95
Odor Threshold (ppm):	n.av.		

Section 4 - Fire and Explosion Hazard

Flammability: Yes No Product will ignite when heated above flash point and exposed to an open flame.
Flash point: 62°C TCC **Flammable limits:** LEL 1.3% UEL 9.5%
Autoignition temperature: n.av.
Extinguishing media: Water, carbon dioxide, dry chemical. Water can be used to cool aerosols
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.

Section 5 - Reactivity Data

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

Section 6 - Toxicological Properties

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

Primary route(s) of entry: Inhalation, eyes, ingestion (unlikely), skin.

Exposure limits: Not established.

Acute effects of over exposure:

Inhalation: Headache, dizziness, nausea, anesthetic effects and other symptoms of central nervous system depression.

Eyes: Slight irritation.

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

Ingestion: Low order of oral toxicity; however, minute amount 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: Pre-existing eye, skin and respiratory disorders may be aggravated.

Other toxicological properties (including reproductive toxicity, synergistic 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.

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. Mop up or soak up with absorbent material and discard. Do not flush to sewer. Floors should be thoroughly cleaned afterwards with soap and water because they may be slippery.

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 below 50°C and above 0°C. Store away from ignition sources and avoid breathing vapors. Remove overspray from floors to prevent them from becoming slippery. Wash hands with soap and water after use, 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 cold water, contact a physician.

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

Ingestion: 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 Heavy-Duty Silicone Lubricant