



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

Section 1 - Product Identification and Use

Manufacturer's Name:

LPS Laboratories

Product Identifier:

LPS® White Lithium Grease

Street Address:

4647 Hugh Howell Road

Product Use:

Lubricating Grease

City, Province:

Tucker, GA 30085-5052

Part Numbers:

C03816

Telephone Number: 770-243-8800

Emergency Telephone Number:

1-613-996-6666 CANUTEC

Packaging:

Aerosol (284 grams)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:

Class A, Class B Div. 5, Class D Div. 2B

Section 2 - Hazardous Ingredients

Ingredients	CAS Numbers	%WW	LC50	LD50	TLV
Isohexane	107-83-5	30 - 40	Not available	Not available	Not Available
Propane/isobutane propellant	68476-85-7	20 - 30	Not available	Not appropriate	1,000 ppm
Petroleum Oil	64742-52-5	15 - 20	Not available	Not available	5 mg/m ³
Acetone	67-64-1	10 - 20	Not available	5.8 g/kg	750 ppm

Section 3 - Physical / Chemical Characteristics

Boiling point (C°):	61°	Specific gravity (H2O = 1):	0.79
Vapor pressure @ 20°C (PSIG):	40-50	Evaporation rate (n-Butyl Acetate = 1):	<1
Vapor density (Air = 1):	Approx. 3.0	Freezing Point (C°):	n.ap.
Coefficient of water/oil distribution:	<1	pH:	n.ap.
Physical state:	Vicious liquid	Solubility in water (% by weight):	Nil
Odor/Color:	Off-white with mild solvent odor	Percent volatile by volume (%):	84
Odor threshold (ppm):	n.av.		

Section 4 - Fire and Explosion Hazard

Flammability: Yes No Hydrocarbon propellant exhibits a flashpoint of less than -100°C

Flash point: n.av. (Aerosol package) **Flammable limits:** LEL n.av. UEL n.av.

Autoignition temperature: n.av.

Extinguishing media: Foam, dry chemical, or carbon dioxide. Water can be used to cool aerosols.

Hazardous combustion products: Carbon dioxide and carbon monoxide.

Sensitivity to impact: None **Sensitivity to static discharge:** Yes. See Section 7.

Special hazards (including explosion data): Excessive 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.

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

Section 5 - Reactivity Data

Stability: Stable

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

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

Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and carbon dioxide.

Hazardous polymerization: Will not occur.

Reactivity and under what conditions: None known at this time

Section 6 - Toxicological Properties

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

Exposure limits: Not established (see Section 2).

Acute/effects of over exposure:

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

Eyes: Vapor and liquid may cause irritation.

Skin: Repeated or prolonged contact may cause drying of skin. Can be absorbed through skin.

Ingestion: Not a likely route of exposure; however minute amounts aspirated into lungs during ingestion may cause severe pulmonary injury.

Chronic effects of exposure: None known at this time.

Carcinogenicity: None

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

Other toxicological properties (including reproductive toxicity, synergistic effects, sensitization, teratogenicity, mutagenicity): None known at this time.

Section 7 - Preventive Measures

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. If vapor concentrations rise above TLV, use a NIOSH approved 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, and transfer to disposal drums using non-sparking equipment. Caution: Surfaces may be slippery.

Waste disposal: Dispose of in accordance with municipal, provincial and federal regulations for petroleum distillates. Do not flush to the sewer.

Handling and storage procedures: Store aerosols 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 laundry before reuse. Vapors will collect in low areas, use and store with adequate ventilation.

H.M.I.S. Labeling: **Health:** 1 **Fire:** 3 **Reactivity:** 0

N.F.P.A. Labeling: **Health:** 1 **Fire:** 3 **Reactivity:** 0

Section 8 - First Aid Measures

Emergency and first aid measures:

Inhalation: Move to fresh air and contact physician. Administer oxygen if breathing is difficult.

Eyes: Flush with copious amounts of cold water and 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 of WHMIS

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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Ed Williams, Manager of Research and Development
LPS Laboratories

Form # 2787
WHMIS LPS® White Lithium Grease

