



# LPS LABORATORIES WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM MATERIAL SAFETY DATA SHEET

## Section 1 - Product Identification and Use

**Manufacturer's Name:**  
LPS Laboratories

**Product Identifier:**  
LPS Premium Di-Electric Grease

**Address (Number Street):**  
4647 Hugh Howell Road

**Product Use:** Non-conducting lubricant and protectant for electrical connections.

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

**Part Numbers:**  
C03216

**Telephone Number:** 770-243-8800

**Packaging:**  
Aerosol (284 grams)

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

**WHMIS Classification:**  
Class A, Class B Div. 5, Class D, Div. 2B

*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.*

## Section 2 - Hazardous Ingredients

Ingredients	CAS Numbers	%WW	LC 50	LD 50	TLV
2-methylpentane	107-83-5	35 - 45%	> 3125 ppm / 4 hours/rat	Not available	500 ppm
Propane / Isobutane propellant	68476-85-7	15 - 25%	Not Established	Not Appropriate	1,000 ppm
3-methylpentane	96-14-0	15 - 20%	Not Established	Not Established	Not Established
2,3-dimethylbutane	79-29-8	10 - 20%	Not Established	Not Established	500 PPM
2,2-dimethylbutane	75-83-2	10 - 15%	Not Established	Not Established	Not Established
n-hexane	110-54-3	1 - 2%	48000 ppm/4H/inhalation/rat	25 gm/kg/rat/oral	50 ppm (skin)

## Section 3 - Physical Data

<b>Boiling point (C°):</b>	60.5	<b>Specific gravity (H2O = 1):</b>	0.6 - 0.7
<b>Vapor pressure ( mmHg) @ 38°C :</b>	352	<b>Evaporation rate (Water = 1):</b>	>1
<b>Vapor density (Air = 1):</b>	~3.	<b>Freezing Point (C°):</b>	n.av.
<b>Coefficient of water/oil distribution:</b>	< 1.0	<b>pH:</b>	n.ap.
<b>Physical State:</b>	Liquid	<b>Solubility in water (%):</b>	none.
<b>Odor/Color:</b> Clear, colorless with mild, solvent odor		<b>Percent volatile by volume (%):</b>	90
<b>Odor Threshold (ppm):</b>	n.av.		

## Section 4 - Fire and Explosion Hazard

**Flammability:** Yes  No  **Flash point (method used):** less than -17°C TCC

**Flammable limits :** LEL 1.2% UEL 7%

**Autoignition Temperature:** 306°C

**Extinguishing media:** Use water spray or fog, CO2, dry chemical or water stream.

**Hazardous Decomposition Products:** carbon oxides (CO, CO2)

**Sensitivity to static discharge:** YES **Sensitivity to impact:** None

**Special hazards (including explosion data):** Excessive heat created by fire will cause aerosols to burst.

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

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## Section 5 - Reactivity Data

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**Stability:** Stable

**Conditions to avoid:** Avoid contact with open flame or other hot surfaces which can cause thermal decomposition.

**Incompatibility (Materials to avoid):** Extremely reactive or incompatible with oxidizing agents.

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

**Hazardous polymerization:** Will not occur.

**Reactivity and under what conditions:** None known at this time.

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## Section 6 - Toxicological Properties

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**Primary route(s) of entry:** Inhalation, eyes.

**Exposure Limits:** Not established

**Health hazard/effects of over exposure:**

**Inhalation:** Respiratory irritation. High vapor concentrations including an oxygen deficient atmosphere in enclosed areas can affect the nervous system, and can cause headache, dizziness, and drowsiness.

**Eyes:** Liquid will cause irritation.

**Skin:** Drying and defatting of skin.

**Ingestion:** Not a likely route of exposure. Ingestion may result in nausea, abdominal discomfort, or diarrhea.

**Chronic effects of exposure:** None known.

**Carcinogenicity:** None known at this time.

**Medical conditions aggravated by exposure:** None known.

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

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## Section 7 - Preventative Measures

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**Personal Protection:**

**Hands:** Use nitrile (or other appropriate) gloves.

**Eyes:** For spraying or splashing of solvent, use face shield or goggles. Contact lenses should not be worn.

**Respiratory:** None required if good ventilation is maintained. If vapor concentration rises above TLV, use NIOSH approved organic vapor cartridge respirator. For large spills or emergencies in completely enclosed areas, use self-contained breathing apparatus.

**Engineering Controls:** Ventilate low lying areas where vapors may collect. Provide local exhaust if TLV is exceeded.

**Procedures to be followed in case of leak or spill:** Evacuate area, ventilate and avoid breathing vapors. Contain spill, remove leaking container and transfer product to another vessel. Clean up area by mopping or soak up with absorbent material. Place in closed containers. Do not flush to sewer.

**Waste disposal:** Dispose of in accordance with municipal, provincial, and federal regulations. Recovered liquid may be sent to licensed reclaimer or incinerator. Do not incinerate aerosols. Do not flush to the sewer.

**Handling and Storage Procedures:** Store aerosols below 50°C and above 0°C. Store all materials in dry, well-ventilated area away from ignition sources. Avoid breathing vapors and prolonged skin contact. Vapors are heavier than air.

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

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

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## Section 8 - First Aid Measures

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**Inhalation:** Move to fresh air and provide oxygen if breathing is difficult.

**Eyes:** Flush eyes with plenty of water. If irritation persists, contact physician.

**Skin:** Wash with soap and water.

**Ingestion:** Give two glasses of water and call a physician immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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## Section 9 - Preparation Date

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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.

January 5, 2007  
Ed Williams, Technical Manager  
LPS Laboratories

Form # 2953  
WHMIS LPS Premium Di-Electric Grease

