



**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 LPS<sup>®</sup> Red & Redi

**Address (Number, Street):**

4647 Hugh Howell Road

**Product Use:**

Lubricating Grease

**Address (City, Province, Postal Code):**

Tucker, GA USA 30085-5052

**Part Numbers:**

C05816

**Telephone Number:** 770-934-7800

**Emergency Telephone Number:**

1-613-996-6666 CANUTEC

**Packaging:**

Aerosol (312 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:**

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

**Section 2 - Hazardous Ingredients**

Ingredients	CAS Numbers	%w/w	LC-50	LD-50	TLV
Isohexane	107-83-5	40-50	Not available	Not available	Not available <sup>3**</sup>
Petroleum Oil	64742-52-5	20-30	Not available	Not available	5 mg/m
Isobutane / Propane Propellant	68476-86-8	20-30	Not available	Not available	1000 ppm
Aliphatic Hydrocarbon	64742-47-8	3-5	21,400 mg/m <sup>3</sup> for 4 hrs. (rat)	34,600mg/kg (rat)	100 ppm

\*\*Oil Mist

**Section 3 - Physical Data**

<b>Boiling point (C°):</b>	Approx. 174°C	<b>Specific gravity (H2O = 1):</b>	0.78-0.80
<b>Vapor pressure @ 20° C (PSIA):</b>	40-50	<b>Evaporation rate (n-Butyl Acetate= 1):</b>	<1
<b>Vapor density (Air = 1):</b>	3	<b>Freezing Point:</b>	n.ap.
<b>Coefficient of water/oil distribution:</b>	less than 1	<b>pH:</b>	n.ap.
<b>Physical state:</b>	Viscous liquid	<b>Solubility in water (% by weight):</b>	nil
<b>Odor/Color:</b> Red with mild solvent odor		<b>Percent volatile by volume (%):</b>	65
<b>Odor threshold:</b>	n.av.		

**Section 4 - Fire and Explosion Hazard**

**Flammability:** Yes X No **Flash point (method used):**Hydrocarbon propellant exhibits a flashpoint of less than - 100°C

**Flammable limits (of diluent):** LEL 1.8% UEL 9.5%

**Autoignition temperature:** n.av.

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

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

**Hazardous combustion products:** Carbon dioxide and carbon monoxide

**Sensitivity to impact:** None

**Sensitivity to static discharge:** Yes

**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.

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## Section 5 - Reactivity Data

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**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.

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## Section 6 - Toxicological Properties

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**Primary route(s) of entry:** Skin, eyes

**Exposure limits:** Not established.

**Acute effects of over exposure:**

**Inhalation:** Headache, dizziness, nausea, anesthetic effects and other symptoms of 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 and defatting 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 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 effects, sensitization, teratogenicity, mutagenicity):** None known at this time.

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## Section 7 - Preventative Measures

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**Hands:** Use solvent resistant gloves (nitrile, neoprene) when handling.

**Eyes:** Use face shield or goggles when spraying.

**Respiratory:** None required if good ventilation is maintained. If vapor concentrations rise above TLV, use an approved organic vapor respirator or self-contained breathing apparatus. 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 local and federal regulations for petroleum distillates. Do not flush to the sewer.

**Handling and storage procedures:** Store below 50°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.

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## Section 8 - First Aid Measures

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**Emergency and first aid measures:**

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

**Eyes:** Flush eyes with plenty of water, contact a physician.

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

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.

<b>H.M.I.S. Labeling:</b>	<b>Health: 1</b>	<b>Flammability: 3</b>	<b>Reactivity: 0</b>
<b>N.F.P.A. Labeling:</b>	<b>Health: 1</b>	<b>Flammability: 3</b>	<b>Reactivity: 0</b>

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### Section 9 - Preparation Date

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