



MATERIAL SAFETY DATA SHEET

LPS® Food Grade Chain Lubricant (Bulk)

Revision Date: April 30, 2014

Supersedes: February 11, 2013

Section 1 • Product and Company Identification

Product Name: LPS® Food Grade Chain Lubricant (Bulk)

Part Number(s): 06005

Chemical Name: White Mineral Oil Mixture

Product Use: A food grade chain lubricant for parts and equipment.

Manufacturer Information: LPS Laboratories, 4647 Hugh Howell Road, Tucker, GA, USA 30084
TEL: USA & Canada: 1 800 241-8334
Outside USA and Canada: +1 770 243-8800
FAX: USA & Canada: 1 800 543-1563
Outside USA and Canada: +1 770 243-8899

Emergency Telephone Number: Chemtrec: USA & Canada: 1 800 424-9300
Outside USA and Canada: +1 703 527-3887

Website: <http://www.lpslabs.com>

Section 2 • Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

	GHS Hazard Category	GHS Hazard Level	Hazard Statement
Signal Word: WARNING	Eye Damage / Irritation	2B	H320 - Causes eye irritation.

GHS Symbols: None

Precautionary Statements

Prevention P264 - Wash hands thoroughly after handling.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention. [P305, P351, P338, P337, P313]

Storage None

Disposal None

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No IARC: No OSHA: No ACGIH: No



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Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None

Medical conditions aggravated by exposure:

None

Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight Percent
White Mineral Oil	8042-47-5	75 - 85%
Polybutene	9003-29-6	15 - 20%

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. Immediately, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. DO NOT use eye ointment. Seek medical attention if irritation persists.

Skin: Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. DO NOT use ointments. Seek medical attention if irritation persists.

Inhalation: Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. DO NOT leave victim unattended. Seek medical attention immediately.



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Section 5 • Fire Fighting Measures

Products of Combustion:	Carbon monoxide and carbon dioxide.		
General Fire Hazards:	High heat will cause explosive rupture of closed containers.		
Firefighting media:	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use CO ₂ , water spray, fog or foam.		
Sensitivity to Impact:	None	Sensitivity to Static Discharge:	None
Protection Clothing (Fire):	Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.		

Special Remarks on Explosion Hazards:

None

Section 6 • Accidental Release Measures

Containment Procedures:	Small Spill and Leak:	Absorb with an inert material and dispose of properly.
	Large Spill and Leak:	Prevent material from entering sewers and drains. Prevent further leakage or spillage if safe to do so. Pick up for disposal using absorbent pads, sand or other inert non-combustible materials. Place into appropriate waste containers for later disposal. If product contaminates rivers and lakes or drains inform respective authorities.
Clean-Up Procedures:	Recover free product and place in a suitable container for disposal.	
Evacuation Procedures:	Keep unnecessary and unprotected people away.	
Special Procedures:	Wear appropriate protective equipment during cleanup.	

Section 7 • Handling and Storage

Handling:	Avoid contact with skin and eyes. Wash thoroughly after handling.
Storage:	Keep container sealed until ready for use. Keep container in a cool, well-ventilated area. Store between 40°F and 120°F (4.4°C and 49°C).

Precautions to be taken in handling and storage:

Keep container closed when not in use.



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Section 8 • Exposure Controls / Personal Protection

Engineering Controls: Provide general and/or local exhaust ventilation to keep exposures below 5 mg/m³ oil mist in air.

Personal protective equipment

Eye protection: Safety glasses with side shields conforming to appropriate regulations. Eye wash fountain and emergency shower facilities are recommended.

Hand protection: Normally no hand protection is required; however, using chemical resistant gloves is recommended.

Respiratory protection: Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection (i.e. organic vapor cartridge).

General Hygiene Wash thoroughly after handling. Have eye-wash facilities immediately available.

Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Clear, colorless
Odor:	None	Evaporation Rate:	< 1 (BuAc = 1)
Solubility Description:	Not soluble in water	Flash Point:	>405°F(207°C)
Initial boiling point and boiling range	> 260°C (500°F)	Flash Point Method:	Open Cup
Specific Gravity (H₂O=1):	0.84 - 0.87 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	> 1	Auto ignition temperature:	Not established
Vapor Pressure:	< 0.01 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: N.E. UPPER: N.E.
Rule 1171 PPc:	Not applicable	Partition Coefficient (octanol/water):	> 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 0%, 0 g/L, 0 lb/gal per CARB/OTC/EPA	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	> 100 cSt @ 25°C
pH:	Not applicable	Volatiles:	0%
Heat of combustion:	Aerosol: Not applicable Bulk: Not established		



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Section 10 • Stability and Reactivity

Chemical Stability: Product is stable under recommended storage conditions.

Conditions to Avoid: No specific measures to avoid.

Incompatibility: Reactive or incompatible with oxidizing agents.

Hazardous Decomposition: These products are carbon oxides (CO, CO₂).

Hazardous Polymerization: Will not occur.

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

B: Component Analysis

Component	CASRN	LC-50	LD-50
White Mineral Oil	8042-47-5	Not established	Not established
Polybutene	9003-29-6	Not established	Not established

Section 12 • Ecological Information

Mobility: Non-volatile. Absorbed only slowly into soil. **Persistence / Degradability:** Only slightly biodegradable

Bioaccumulative potential: No bioaccumulation potential **Other adverse effects:** See below

The mixture is not classified as environmentally toxic.

Section 13 • Disposal Considerations

Waste Status: In its purchased form, this material does not meet the definition of a RCRA hazardous waste (40 CFR 261).

Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 • Transport Information

This product is not regulated by any mode of transportation.

The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.



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Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): None

Toxic Substances Control Act (TSCA):

All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III SARA Section 311/312 (40 CFR 370) Hazard Categories:

None

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

No individual section 313 component is present at or above 1%.

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

California and OTC States: This product conforms to consumer product regulations.

New Jersey Right to Know:

White mineral oil (petroleum) 8042-47-5 • Polybutenes 9003-29-6 • Amine phosphate compound (NJTSR No. 800983-5100P) • Polyisobutylenes 9003-27-4

International Regulations

Montreal Protocol listed ingredients:	None
Stockholm Convention listed ingredients:	None
Rotterdam Convention listed ingredients:	None
RoHS Compliant:	Yes



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Section 16 • Other Information

MSDS#: N/A MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS III		NFPA	
	Health:	[] 1	Flammability	
	Flammability Aerosol:	NA		Reactivity
	Flammability Bulk:	1		
	Physical Hazard Aerosol:	NA		
Physical Hazard Bulk:	0			
		Special		

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Ed Williams, Technical Manager
LPS Laboratories, a division of Illinois Tool Works