



U.S. MATERIAL SAFETY DATA SHEET

Chain Lubricant Food Grade

Section 1 • Product and Company Identification

Manufacturer's Name: LPS Laboratories

Part Numbers: 06016

Trade Name: LPS Chain Lubricant Food Grade

Chemical Family: Petroleum Hydrocarbons

Address:

4647 Hugh Howell Road
Tucker, GA USA 30085-5052

Telephone Number: 770-243-8800

Emergency Telephone Number: 1-800-424-9300 Chemtrec;
Outside U.S.: (703) 527-3887

PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

Worker Toxicity

LPS Chain Lubricant Food Grade is a food grade chain lubricant for parts and equipment. Don't get it on your skin or in eyes; short term contact can cause mild skin and eye irritation. Don't spray LPS Chain Lubricant Food Grade for extended periods without adequate ventilation. If you are going to spray a lot of this product in a poorly ventilated area, the use of a respirator or self-contained breathing equipment may be required. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

Flammability

The vapor of LPS Chain Lubricant Food Grade is flammable and the contents are under pressure. Do not use on energized electrical equipment or equipment in operation and allow surface to dry before restart. Do not use near fire, flame or while smoking. Do not puncture, incinerate or store container above 120°F (49°C).

Disposal

LPS Chain Lubricant Food Grade is only available in aerosol form so large scale spill(s) are very unlikely. However, if an aerosol fails to discharge its contents and has more than one inch of fluid in the bottom of the can, it is considered a hazardous waste under U.S. EPA guidelines. See section 13 for more details.



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Section 2 • Hazards Identification

From a worker safety standpoint, this material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency Overview: WARNING: FLAMMABLE VAPOR. Contents under pressure. Contains petroleum distillates. Do not use on energized electrical equipment or equipment in operation and allow surface to dry before restart. Do not use near fire, flame or while smoking. Do not puncture, incinerate or store container above 120°F (49°C). Use only with adequate ventilation. Avoid breathing mist. Prolonged or repeated contact may dry skin and cause irritation. Avoid contact with eyes. Wash thoroughly after handling.

Primary route(s) of entry: Skin and Eye contact. Inhalation.

Potential Acute Health Effects:

Eyes Irritating to eyes

Skin Repeated exposure may cause skin dryness or cracking.

Inhalation: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, dizziness or headache.

Ingestion: Not a likely route of exposure. Product has a low order of acute oral toxicity, however if aspirated into lungs during ingestion may cause severe pulmonary injury.

Potential Chronic Health Effects:

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

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: None from normal exposure.

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	CAS Number	Percent by Weight
White Mineral Oil	8042-47-5	60-70
Propane/Isobutane	68476-85-7	10-20
Non-hazardous components*	-----	20-30

**The remaining ingredients of this preparation are not classified as hazardous per 29 CFR 1920.1200 Subpart Z*



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Section 4 • First Aid Measures

- Eyes:** Check for and remove contact lenses. If irritation or redness develops, 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 immediately.
- 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.

Section 5 • Fire Fighting Measures

Flash point: CLEVELAND OPEN CUP: 207°C (405°F) [*Refers to aerosol concentrate without propellant.*]

Flammable limits: LOWER: 1.3% UPPER: 9.5%

Products of Combustion: These products are carbon oxides (CO, CO₂)

Firefighting media: Small fire: Use Dry chemical powder
Large fire: use water spray or fog. Do not use water jet.

Protection Clothing (Fire): NIOSH-approved positive pressure self-contained breathing apparatus.

Special Remarks on Explosion Hazards: Remove containers from fire area if possible. Aerosol cans may explode if heated above 130 °F

Sensitivity to Impact: None.

Sensitivity to Static Discharge: Yes

Protection Clothing (Fire): NIOSH-approved positive self-contained breathing apparatus.

Special Remarks on Explosion Hazards: Containers may explode when heated and overwhelm sprinklers.

Section 6 • Accidental Release Measures

Small Spill and Leak: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak: Ventilate area by opening windows and doors. Eliminate all ignition sources. Block the path of any flowing material using soil, gravel, or other readily available material. Absorb with Dry earth, sand or other non-combustible material.



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Section 7 • Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists.

Storage: Keep in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store below 120°F.

Section 8 • Exposure Controls / Personal Protection

Component	CAS Number	%w/w	OSHA TWA	ACGIH-TLV
White Mineral Oil	8042-47-5	60-70	5 mg/m ³ *	5 mg/m ³ *
Propane/Isobutane	68476-85-7	10-20	1000 ppm	1000 ppm

* oil mist

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal Protection:

Eyes: Safety glasses

Respiratory: Use organic vapor cartridge type respirator if ventilation is inadequate.

Hands: None normally necessary but in case of extended exposure use nitrile or neoprene gloves.

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

Section 9 • Physical and Chemical Properties

Appearance:	Clear, colorless liquid	Odor:	Mild
Color:	Colorless	Vapor Pressure:	<0.1 mmHg
Volatility:	0% (v/v)	Vapor Density:	>1
Boiling Point:	Not Available	Evaporation Rate:	Not Available
VOC Content:	15%, 123 g/L, 1.03 lbs/gal	Odor Threshold:	Not Available
Specific Gravity:	0.85 - 0.87 (water =1)	Solubility:	None in water



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Section 10 • Stability and Reactivity

Stability and Reactivity: The product is stable.

Incompatibility with Various Substances: Extremely reactive or incompatible with oxidizing agents.

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

Hazardous polymerization: Will not occur.

Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

White Mineral Oil:

Lifetime mouse skin painting studies indicate that white mineral oils are not mutagenic or carcinogenic. Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current workplace exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

Section 12 • Ecological Information

Ecotoxicity: No specific ecological data is available at this time. See Section 6 for information regarding Accidental Releases and Regulatory Reporting information.

Section 13 • Disposal Considerations

Waste Status: This product has the RCRA characteristic of ignitability and would have the hazardous waste code D001 if the container is not depressurized and has more than 2.5 cm of fluid remaining. "Empty" aerosols are considered non-hazardous under U.S. Federal Law.

Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do not dump into sewers, on ground, or into a body of water. The preferred disposal options include sending the material to a licensed, permitted recycler, reclaimer, or incinerator.

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.



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Section 14 • Transport Information

Mode	Shipping name	Hazard Class	UN Number	Label	Packing Group	Emergency response Guide
D.O.T. Ground	Consumer Commodity	ORM-D	NA	ORM-D	NA	NA
IATA	AEROSOLS, flammable	2.1	1950	Flammable Gas	NA	NA
Regular IMDG	Aerosol	2.1	1950	Flammable Gas	NA	NA
Special IMDG	Dangerous Goods in Limited Quantities of Class 2	NA	1950	NA	NA	EMS: 2-13

Section 15 • Regulatory information

HCS Classification:

HCS Class: Flammable Aerosol.

U.S. Federal Regulations:

TSCA 8(b) inventory: All of the ingredients are listed on the TSCA inventory or are exempt.

RCRA Hazardous Waste No.: D001

CERCLA Sections 102a/103 Hazardous Substances (40 CFR part 370)

Reportable Quantity: This product contains no Reportable Quantity (RQ) Substances

SARA TITLE III Sections 311/312 hazardous Categorization (40 CFR part 370):

Acute Pressure, Fire Hazard (No listed chemical at or above 0.1%)

SARA TITLE III Section 313: No Substances found.

Hazardous Air Pollutants (U.S. EPA): None

State Regulations:**New Jersey RTK:**

White Mineral Oil (CAS No. 8042-47-5), Polybutene (CAS No. 9003-29-6), Propane/IsoButane (CAS No. 68476-85-7), Trade Secret Registry No. 800983-5100P

California Proposition 65: None.

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



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Section 16 • Other Information

MSDS# 16016	HMIS 1996	HMIS - III	NFPA
Responsible Name: Clea Johnson Regulatory Affairs Coordinator	Health: 1 Flammability: 3 Reactivity: 0	Health: [1] Flammability: 3 Physical Hazard: 2	Flammability Health 1 3 0 Reactivity

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.

Clea Johnson
LPS Laboratories
A division of Illinois Tool Works

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