

Lithium Block Grease

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations



SECTION 1: IDENTIFICATION OF PRODUCT/COMPANY/SUPPLIER

1.1 Product identifiers

Product name: Lithium Block Grease

1.2 Relevant identified uses of the product and restrictions on use

Recommended uses: Lubricating Grease

Restrictions on use: For Industrial and Professional Use

1.3 Details of the supplier of the safety data sheet

Company name: Opti-Lube Inc.

Address: 1646 W Business Park Drive, Suite B

City/State/Zip: Orem, UT 84058, USA

Website: www.opti-lube.com

Phone number: 801-491-3717

1.4 Emergency response number

Hazmat Line: +1 656 208 0809

SECTION 2: HAZARDS IDENTIFICATION

2.1 GHS Hazard classification/statements according to [29 CFR 1910.1200](#) (OSHA):

Aspiration Hazard, Category 1: H304 – May fatal if swallowed and enters airways

2.2 GHS Label Elements according to [29 CFR 1910.1200](#) (OSHA):

Pictogram:



Signal word: Danger

2.3 GHS Precautionary Statements according to [29 CFR 1910.1200](#) (OSHA):

P264: Wash hands/skin thoroughly after handling.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local, state, and federal regulations.

2.4 Other Hazards

Results of PBT and vPvB assessment: Not applicable.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	CAS Number	Concentration
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10-30%

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury, and surroundings.

If Inhaled: Supply fresh air; consult a doctor in case of complaints.

If Swallowed: Do not induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present, and easy to do. Get medical attention if irritation develops and persists.

Skin contact: Rinse skin with water/shower. Get medical attention if irritation develops and persists.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable methods: Use fire-fighting measures that suit the environment.

5.2 Specific hazards arising from the substance/mixture

No further relevant information available.

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5.3 Special protective equipment and precautions for firefighters

A self-contained breathing apparatus (SCBA) must be worn when approaching a fire in a confined area.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Avoid breathing dust/fumes/gas/mist/vapors/spray. Wear appropriate protective clothing.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3 Methods and materials for containment and cleaning up

Shovel into a suitable properly marked container for disposal or reclamation in accordance with local regulations. For waste disposal, see Section 13 of this SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions are necessary if used correctly. Keep containers in closely tight, cool, and well-ventilated areas.

7.2 Conditions for safe storage, including any compatibilities

Keep cool. Store in a well-ventilated place. Keep the receptacle tightly sealed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Controls

Occupational exposure limit values: Not established.

Engineering controls: Emergency shower and safety eyewash should be available in the area.

8.2 Personal Protective Equipment



Hand protection: Wear appropriate chemical-resistant gloves.

Eye/Face protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, use suitable respiratory equipment.

Hygiene measures: Keep away from foodstuffs, beverages, and feed. Wash your hands before breaks and at the end of work.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Solidified Material
Color:	Light Amber
Odor:	Petroleum-like
Odor Threshold:	Not determined
pH:	Not determined
Melting Point:	Not determined
Boiling Point:	370-595 °C (698-1,039 °F)
Flash Point:	>163 °C (>325.4 °F)
Auto-ignition Temperature:	>315 °C (>599 °F)
Upper/Lower Explosive Limits:	Not determined
Vapor Pressure:	Not determined
Evaporation Rate:	Not determined
Flammability (Solid, Gas):	Not determined
Specific Gravity:	0.93479 g/cm ³ (7.80082 lbs/gal)
Solubility in Water:	Insoluble in water
Partition Coefficient (n-octanol/water):	Not determined
Solid Content:	20%
Viscosity:	Not determined

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive at normal conditions.

10.2 Chemical stability

Stable at normal conditions.

10.3 Possibility of Hazardous Reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified based on available information.

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/irritation: Not classified based on available information.

Respiratory/Skin sensitization: Not classified based on available information.

Germ cell mutagenicity: Not considered as mutagenic.

Carcinogenicity: Not considered to be carcinogenic.

Reproductive toxicity: Not classified based on available information.

Specific target organ toxicity - single exposure: Not classified based on available information.

Specific target organ toxicity - repeated exposure: Not classified based on available information.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Slightly hazardous for water. Do not allow undiluted product of large quantities reach ground water, water course or sewage system.

12.2 Persistence and Degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Other adverse effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal: Must not be disposed of together with household garbage. Do not allow the product to reach the sewage system.

Contaminated Packaging: Disposal must be made according to official regulations.

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SECTION 14: TRANSPORT INFORMATION

14.1 Transport information

UN Number: Not classified as hazardous product for land, sea, and air transport.

UN Proper Shipping Name: Not classified as hazardous product for land, sea, and air transport.

Transport Hazard Class: Not classified as hazardous product for land, sea, and air transport.

Packing Group: Not classified as hazardous product for land, sea, and air transport.

Marine Pollutant: Not known.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environment regulations/legislation specific for substance or mixture

US Federal Regulations: This product contains hazardous substances as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substance Control Act (TSCA) Inventory: All substances are listed.

Comprehensive Response Compensation and Liability Act (CERCLA): Not regulated.

SARA 302/304 Emergency Planning & Notification: Not regulated.

SARA 311/312 Hazard: See Section 2 of this SDS for GHS hazards associated with this product.

SARA 313 (TRI Reporting): Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Water Act (CWA) 311: Not regulated.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain any chemical known by state of California to cause cancer and/or birth defects. For more information, go to [\(Proposition 65 List of Chemicals\)](#).

SECTION 16: OTHER INFORMATION

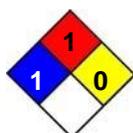
16.1 General information

Revision Date: 26-Feb-2026

Previous Revision: 24-Aug-2020

Version number: 2.0

National Fire Protection Association (NFPA) Rating:



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16.2 Full Text of Abbreviations

CAS – Chemical Abstract Service

GHS – Globally Harmonized System

CFR – Code of Federal Regulations

OSHA – Occupational Safety and Health Administration

NIOSH – The National Institute for Occupational Safety and Health

ACGIH – American Conference of Governmental Industrial Hygienists

TWA – Time Weighted Average

UN – United Nations

DOT – Department of Transportation

TRI – Toxic Release Inventory

SARA – Superfund Amendments and Reauthorization Act

SDS – Safety Data Sheet

16.3 Disclaimer

The information on this SDS is based on data that is considered to be accurate. Opti-Lube Inc., however, makes no guarantees or warranties, either expressed or implied, of the accuracy or completeness of this information. The conditions or methods of handling, storage, use, and disposal of the products are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of this product. This SDS was prepared and is to be used for this product. If the product is used as a component in another product, this SDS information may not be applicable.