



MATERIAL SAFETY DATA SHEET

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WHITE LITHIUM GREASE PART NOS. 49594, 49597

SECTION I – IDENTITY INFORMATION

Description : Lithium Soap Grease

SECTION II – HAZARDOUS INGREDIENTS

If present, IARL, NTP and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in this section.

(NON-HAZARDOUS

COMPONENTS

	<u>CAS #</u>	<u>EPA RQ:</u>	<u>TPO:</u>	<u>WGT%</u>
Distillates (Petroleum), severely Hydrotreated heavy naphthenic	64742-54-5	N/A	N/A	70-100
Zinc Oxide (ZnO)	1314-13-2	N/A	N/A	1-5

EXPOSURE LIMIT FOR TOTAL PRODUCT: 5 mg/m³ for oil mist (aerosol) for an 8-hour workday.

BASIS: Regulation 29 CFR 1910.1000 and recommended by the American Conference of Governmental Industrial Hygienists (ACGIH). ACGIH states that the air is to be sampled by a method that does not collect vapor; in addition, it lists a 10 mg/m³ STEL.

SECTION III – PHYSICAL DATA

Specific Gravity	: 0.90
Melting Point, F ⁰	: 345
Water Solubility	: N/A
Solubility Value (g/100g H ₂ O 68 ⁰ F)	: <0.1
Volatile (By Volume %)	: N/A
Evaporation Rate	: <0.01
Vapor Density	: <0.01 mmHg
Density/Specific Gravity (g/ml)	: 0.90
Color	: White
Odor	: Mild, petroleum

SECTION IV – FIRE AND EXPLOSION DATA

Flashpoint (ASTM D92) (C.O.C) 435 ⁰ F	: Upper Flammable Limit – 7% Lower Flammable Limit – 9%
Extinguishing Media	: Use carbon dioxide (CO ₂). Dry chemicals, sand, dolomite, etc. Alcohol resistant foam. water spray, fog or mist.
Special Fire Fighting Procedures	: Use water to keep fire-exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water if straight hose stream: will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
Unusual Fire & Explosion Hazard	: Pressure will increase in over heated, closed containers.
Hazard Combustion Products	: Oxides of carbon.
Protective Measures in Case of Fire	: Self-contained breathing equipment and chemical resistant clothing recommended.

SECTION V – REACTIVITY DATA

Stability	: Normally stable.
Conditions to Avoid	: Avoid contact with acids and oxidizing substances.
Polymerization	: N/A
Hazardous Decomposition Products	: Oxides of carbon.

SECTION VI – HEALTH HAZARD DATA

Chronic Effects of Overexposure	: Exposure to vapors generated at high temperatures may cause respiratory irritation. Not regarded as a health hazard under current legislation.
Sensitization	: No known information.
Pre-Existing Medical Conditions, Which may be Aggravated by Exposure	: None recognized.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes	: Immediately flush with water for 15 minutes or until irritation subsides. If irritation persists, call a physician.
Skin Contact	: Remove contaminated clothing and wash area thoroughly with soap and water. Launder or dry-clean clothing before reuse.
Inhalation	: Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; admini-

Ingestion : ster oxygen, if available. If overexposed to oil mist, remove from further exposure until excessive oil mist condition subsides.
: DO NOT induce vomiting; call a physician immediately.

SECTION VII – ACCIDENTAL RELEASE MEASURES

Personal Precautions : Minimize skin contact.
Precautions to Protect the Environment : Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.
Disposal Methods : Spilled material, unused contents and empty containers must be disposed of in accordance with local, state, and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Ventilation : Normally not needed under ordinary conditions. No smoking or use of flame or other ignition sources.
Respiratory Protection : Normally not needed. Use supplied air respiratory protection in confined or enclosed spaces if needed.
Protective Gloves : Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Eye Protection : Use splash goggles or face shield when eye contact may occur.
Other Protective Equipment : Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

SECTION IX - PRECAUTIONS

Handling and Storage : Keep away from heat, sparks, and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not reuse container. Keep lid closed when not in use. Do not store or mix with strong oxidizers. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place.

SECTION X - TRANSPORTATION

D.O.T.	: Not regulated.
Reportable Quantity	: N/A
Freight Classification	: Petroleum Lubricating Grease
Special Transportation Notes	: N/A

SECTION XI – HAZARD COMMUNICATION CODES

NFPA RATINGS:

Health	: 1
Flammability	: 1
Reactivity	: 0
Special Hazard	: N/A

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