

# SAFETY DATA SHEET

## MILES MD LITHIUM GREASE

### Section 1 – Identification

#### 1.1 Product Identifiers:

**Product Name:** MILES MD LITHIUM GREASE

#### 1.2 Product Usage:

Recommended Usage: Lubricating Grease

Restricted Usage: Not intended for any other usage

#### 1.3 Emergency Support:

CHEMTREC

United States +1(800) 424-9300

International +01 (703) 527-3887

#### 1.4 Supplier Information:

MILES LUBRICANTS LLC  
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### Section 2 - Composition / Information on Ingredients

2.1 Component	CAS Number	TLV/PEL (mg / M3)	Weight (%)
Mineral Oil	Mixture	NE	< 85%
Proprietary Additives	Mixture	NE	10 - 15%

## Section 3 - Hazards Identification

### 3.1 POTENTIAL HEALTH EFFECTS

Excessive exposure may result in eye, skin or respiratory irritation. Low order of toxicity. High-pressure injection under skin may cause serious damage.

**NFPA Rating:** Flammability: 1, Reactivity: 0, Health: 1

**HMIS Rating:** Flammability: 1, Reactivity: 0, Health: 1

**NOTE:** This material should not be used for any other purpose than the intended use listed in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks, which may vary from person to person.

## Section 4 - First Aid Measures

### 4.1 First Aid Measures

**Eye Contact:** Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention

**Skin Contact:** Wash off with soap and water.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention

**Ingestion:** Do NOT induce vomiting. Get medical attention.

**Note to Physician:** High pressure injection under the skin may have serious consequences & may require urgent treatment.

## Section 5 - Fire Fighting Measures

**5.1 Extinguishing Media:** Appropriate Extinguishing Media: Water Spray (fog), dry chemical, foam, halon, or carbon dioxide. Inappropriate Extinguishing Media: Water stream may splash burning liquid and spread fire.

**5.2 Fire Fighting:** Procedure: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use self-contained breathing apparatus (SCBA) to fight fires. Use water spray to cool fire exposed surfaces and to protect personnel.

**5.3 Hazardous Combustion Products:** Smoke, Fume, Sulfur oxides, oxides of carbon.

**Special protective equipment:** Fire Equipment Information: Fire-fighters should wear appropriate protective equipment and set contained breathing apparatus (SCBA) with a full face -piece operated in positive pressure mode.

**5.4 Flammability Properties:**

**Flashpoint (Cleveland Open Cup):** 455°F

**Flammable Limits (Approximate volume% in Air):** LEL: NA UEL: N/A

**Auto-ignition Temperature:** N/A

## Section 6 - Accidental Release Measures

**6.1 Notification Procedure:** Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

**6.2 Spill Management:** Land Spill: Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

**Water Spill:** Confine the spill immediately with booms. Stop leak, if you can do so without risking personal safety. Report spills as required to appropriate authorities. Remove from the surface by skimming or with suitable absorbents.

**6.3 Environmental Precautions:**

Large spills should be diked for later recovery or disposal. Spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil. To the best of Grease Warehouse knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. Therefore, it

may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

## Section 7 - Handling & Storage

**7.1 Safe Handling:** Avoid contact with skin. Prevent spills and leaks to avoid slipping hazards.

**7.2 Safe Storage:** Keep containers sealed until ready for use. Avoid excessive long-term storage temperatures to prolong shelf life. Maximum storage temperature: 120F. Store in well ventilated areas.

## Section 8 - Exposure Control / Personal Protection Information

**8.1 Exposure limits/standards** for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5 mg/m<sup>3</sup> – ACGIH TLV, 10mg/m<sup>3</sup> – ACGIH STEL, 5 mg/m<sup>3</sup> – OSHA PEL

**8.2 Engineering Controls:** The level of protection and types of control necessary will vary depending upon potential exposure conditions. Under normal conditions, no special control required when used in a well-ventilated area with local exhaust ventilation.

**8.3 Personal Protection:** Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Eye / Face Protection:** Goggles or safety glasses with side shields are recommended.

**Skin / Hand Protection:** Chemical resistant gloves are recommended. No protection is required in normal use.

**Respiratory Protection:** None required in normal use. Use only NIOSH/MSHA Organic vapor approved equipment if necessary.

**8.4 Special Hygiene Measures:** Practice good personal hygiene. Wash hands after use and handling.

## Section 9 - Physical & Chemical Properties

## 9.1 Information on Basic Physical and Chemical Properties

Physical state :	Semi-Fluid Gel (Grease)
Color :	Neutral (Amber/Yellow)
Odor :	Mild/Faint – Petroleum
Odor threshold :	No Data Available
pH-Value, Conc. Solucion:	No Data Available
Density:	0.96
Freezing Point :	No Data Available
Boiling Point / Range :	No Data Available
Flash Point COC :	No Data Available
Evaporation rate: :	< 1
Upper Explosive Limits (% air) :	No Data Available
Lower Explosive Limits (% air) :	No Data Available
Flammability (solid, gas) :	Not Applicable
Vapor pressure :	<1 mm Hg
Vapor density (air=1) :	> 5
Relative Density :	No Data Available
Auto-ignition temperature :	Not Determined
Decomposition temperature :	Not Determined
Solubility in water :	Insoluble in water
Partition coefficient, n-octanol/water :	No Data Available
Viscosity @ 40C :	No Data Available
Viscosity @ 100C:	No Data Available
Tamperature (°C):	15.6 (60°F)

## Section 10 - Stability & Reactivity

**10.1 Stability:** Normally Stable

**10.2 Condition to avoid:** Avoid contact with acids and oxidating substances.

**10.3 Hazardous Polymerization:** Will not occur

**10.4 Polymerization Description:** Not applicable

**10.5 Hazardous Decomposition Product:** Oxides of carbon sulfur

## Section 11 - Toxicological Information

### 11.1 Acute Toxicity:

**Product or Ingredients:** No data is specifically available for this product and therefore this toxicological information is based on data available for the ingredients.

**Skin Contact:** This product is not a primary skin irritant after exposure of short duration is not a skin sensitizer and is not irritating to the eyes.

**Routes of Exposure:** Exposure will most likely occur through skin contact or form inhalation of mechanically or thermally generated oil mists.

**11.2 Chronic / Other Effects:** Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Long term intensive exposure to oil mist may cause benign lung fibrosis.

**11.3** The following ingredients are cited on the lists below:

None NTP CARC, NTP SUS, IARC 1, IARC 2A, IARC 2B, OSHA CARC

\* This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%.

## Section 12 - Ecological Information

**12.1 Ecological Information:** There is no ecological data on the product itself

**12.2 Ecotoxicity:** Material not expected to be harmful to aquatic organisms.

**12.3 Mobility:** Base oil component – Low solubility and float and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

### 12.4 Persistence and degradability:

Biodegradation – N / A

An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

## Section 13 - Disposal Considerations

**13.1 Disposal Recommendations:** Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

**13.2 Regulatory Disposal Information:** To the best of Miles Lubricants LLC knowledges, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure.

**13.3 Empty Container Warning:** Do not attempt to refill or clean containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

\* Disposal recommendations are based on material as supplied. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

## Section 14 - Transportation Information

**14.1 LAND-DOT:** Not Regulated for Land Transportation

**14.2 LAND-TDG:** Not Regulated for Land Transportation

**14.3 SEA-IMDG:** Not Regulated for Sea Transport

**14.4 AIR-IATA:** Not Regulated for Air Transport

## Section 15 - Regulatory Information

**15.1 OSHA Hazard Communication Standard:** When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**15.2 WHMIS:** Not a controlled product

**15.3 Chemical Inventory Listing:** TSCA, CEPA EPCRA: This material contains no extremely hazardous substances.

**15.4 SARA (311/312) Reportable Hazards:** None

**15.5 SARA (313) Toxic Release Inventory:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

**TSCA:** This material is in compliance with the Toxic Substances Control Act (15USC2601-2629)

**CEPA:** All components of this product are either on the Domestic Substance List (DSL) or are exempted.

## Section 16 - Other Information

**16.1 NE** = Not Established

**ND** = Not Determined

**NA** = Not Applicable

**16.2 Data Sheet Revisions:** No Revision information is available.

**16.3 Disclaimer:** Miles Lubricants LLC believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. No warranty of fitness, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specific product designated product is used and may not be valid where such in combination with any other materials or process. Further, since the conditions and methods of use of this product and of the information referred to herein are beyond our control. We expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.