

770-123  
705-856 770-127  
770-172

# SAFETY DATA SHEET

---

Spectrum  
CORPORATION



## 1. IDENTIFICATION

---

### 1.1. PRODUCT IDENTIFIER USED ON LABEL:

#### 1.1.1. EP-0, EP-00 GREASE

### 1.2. OTHER MEANS OF IDENTIFICATION:

1.2.1.30 EP-0, EP-00 GREASE

### 1.3. RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;

1.3.1. POWER EQUIPMENT LUBRICATING GREASE

1.3.2. NO OTHER USES RECOMMENDED

### 1.4. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURER, IMPORTER, OR OTHER RESPONSIBLE PARTY:

1.4.1.

#### **Spectrum Lubricants Corporation**

---

500 Industrial Park Drive  
Selmer, TN 38375-3276  
United States of America

#### **Product Information**

MSDS Requests: (800) 264-6457 or +17316454972  
Technical Information: (800) 264-6457 or +17316454972  
General Information: [vswedley@spectrumcorporation.com](mailto:vswedley@spectrumcorporation.com)

### 1.5. EMERGENCY PHONE NUMBER:

1.5.1.

#### **Emergency Response**

North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +17035273887

#### **Health Emergency**

USA: (800) 264-6457 or +17316454972

## 2. HAZARD(S) IDENTIFICATION

---

### 2.1. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200;

# SAFETY DATA SHEET

---

2.1.1.

No R/S - phrases associated with components of this product

## 2.2. Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

2.2.1. Inhalation: Inhalation of fumes may result in dizziness, headache and respiratory irritation.

2.2.2. Eye Contact: Contact with eyes may cause minimal irritation.

2.2.3. Skin Contact: Mild irritation may occur with prolonged or repeated contact.

## 2.3. Hazards not otherwise classified that have been identified during the classification process;

2.3.1. 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

2.3.2. Chronic Effects: Ingredients of this product are not listed as potential carcinogens in N.T.P. Annual Report on Carcinogens, I.A.R.C. Monographs, or by O.S.H.A. HCS (g) (2) (vii).

# 3. Composition/ information on ingredients

---

## 3.1. The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

3.1.1.

| COMPONENT                                    | CAS NUMBER | EU NUMBER | WEIGHT % | R-PHRASE                          |
|----------------------------------------------|------------|-----------|----------|-----------------------------------|
| Petroleum Oil                                | 64742-52-5 | 265-155-0 | 90 - 96  | *                                 |
| Lithium 12-Hydroxystearate                   | 7620-77-1  | 231-536-5 | 2 – 6    | **                                |
| Lithium borate                               | 12007-60-2 | 234-514-3 | < 1      | **                                |
| Zinc dithiophosphate                         | 68649-42-3 | 272-028-3 | < 1      | **                                |
| Lithium naphthenate Fatty acid derivative of | 27939-69-1 | NA        | < 1      | Not available for this substance. |

- \* (Note L) The classification as a carcinogen need not apply the substance contains less than 3 %DMSO extract as measured by IP 346
- \*\* This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

# SAFETY DATA SHEET

---

## 4. FIRST AID MEASURES

---

4.1.

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Skin:</b>               | Wash skin with soap and warm water. Wash clothing before re-use.                                       |
| <b>Eye:</b>                | Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention.  |
| <b>Inhalation:</b>         | Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.             |
| <b>Ingestion:</b>          | If ingested, do not induce vomiting. Call a physician.                                                 |
| <b>Notes to Physician:</b> | High pressure injection under the skin may have serious consequences and may require urgent treatment. |

## 5. FIRE FIGHTING MEASURES

---

### 5.1. PROTECTION OF FIRE FIGHTERS:

#### 5.1.1. Fire Fighting Instructions:

5.1.2. For fires involving this material, 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.

### 5.2. Extinguishing Media:

5.2.1. **Appropriate Extinguishing Media:** Water Spray (fog), dry chemical, foam, halon, or carbon dioxide.

5.2.2. **Inappropriate Extinguishing Media:** Water stream may splash burning liquid and spread fire .

### 5.3. Special Firefighting Procedures:

5.3.1. Cool exposed containers with water spray.

### 5.4. Unusual Fire and Explosion Hazards:

5.4.1. Pressure increase in over heated closed containers. Cool containers with water spray.

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

## 6. ACCIDENTAL RELEASE MEASURES

---

### 6.1. NOTIFICATION PROCEDURE

6.1.1. 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

# SAFETY DATA SHEET

---

**6.2.1. 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.

**6.2.2. 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**

**6.3.1.** 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 Royal Manufacturing Company, LP 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. Spill Procedures:

## 7. HANDLING AND STORAGE

---

### **7.1. HANDLING**

**7.1.1.** Avoid contact with skin. Prevent spills and leaks to avoid slipping hazards.

### **7.2. STORAGE**

**7.2.1.** 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.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

---

### **8.1. EXPOSURE LIMIT:**

**8.1.1.** 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**

**8.2.1.** 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**

**8.3.1.** 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.

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

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

# SAFETY DATA SHEET

---

- 8.3.1.3. **Eye Protection:** Goggles or safety glasses with side shields are recommended.
- 8.3.1.4. **Skin and Body Protection:** Chemical / oil resistant clothing if contact with material is likely. NO skin protection is ordinarily required under normal conditions of use.
- 8.3.1.5. **Special Hygiene Measures:** Practice good personal hygiene. Wash hands after use and handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### 9.1.

|                                                         |                          |
|---------------------------------------------------------|--------------------------|
| <b>Physical State:</b>                                  | Smooth Semi-Fluid Grease |
| <b>Color:</b>                                           | Green                    |
| <b>Odor:</b>                                            | Slight Petroleum Odor    |
| <b>Odor Threshold:</b>                                  | None                     |
| <b>Relative Density (at 15 C)</b>                       | 0.89                     |
| <b>Flashpoint (Cleveland Open Cup):</b>                 | 450F ( 232C )            |
| <b>Flammable Limits (Approximate volume% in Air):</b>   | LEL: NA UEL: NA          |
| <b>Autoignition Temperature:</b>                        | NA                       |
| <b>Boiling Point / Range:</b>                           | NE                       |
| <b>Vapor Density (Air = 1):</b>                         | < 1 mm                   |
| <b>Vapor Pressure, mmHg at 25C:</b>                     | < 1 mm                   |
| <b>Evaporation Rate (n-butyl acetate = 1):</b>          | NE                       |
| <b>pH</b>                                               | NE                       |
| <b>Log Pow (n-Octanol/Water Partition Coefficient):</b> | NE                       |
| <b>Solubility in Water</b>                              | Slight                   |
| <b>Viscosity:</b>                                       | NE                       |
| <b>Oxidizing Properties:</b>                            | See Section 3, 15, 16.   |
| <b>DMSO Extract (mineral oil only), IP-346:</b>         | NE                       |

# SAFETY DATA SHEET

---

## 10. STABILITY AND REACTIVITY

---

- 10.1. **Stability:**
  - 10.1.1. Stable
- 10.2. **Incompatibility:**
  - 10.2.1. Avoid strong oxidants
- 10.3. **Polymerization:**
  - 10.3.1. Will not occur
- 10.4. **Thermal Decomposition:**
  - 10.4.1. Partial burning produces fumes, smoke and carbon monoxide

## 11. TOXICOLOGY INFORMATION

---

- 11.1. **ACUTE TOXICITY**
  - 11.1.1. **Product or Ingredients:**
    - 11.1.1.1. No data is specifically available for this product and therefore this toxicological information is based on data available for the ingredients.
- 11.2. **Routes of Exposure:**
  - 11.2.1. Exposure will most likely occur through skin contact or form inhalation of mechanically or thermally generated oil mists.
    - 11.2.1.1. **Skin and Eye:**
      - 11.2.1.1.1. 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. .
- 11.3. **CHRONIC/OTHER EFFECTS**
  - 11.3.1. 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. The following ingredients are cited on the lists below: None
  - 11.3.2. NTP CARC, NTP SUS, IARC 1, IARC 2A, IARC 2B, OSHA CARC
- 11.4. 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%.

## 12. ECOLOGICAL INFORMATION

---

- 12.1.1. **ECOTOXICITY**
  - 12.1.1.1. Material – Not expected to be harmful to aquatic organisms.
- 12.1.2. **MOBILITY**
  - 12.1.2.1. 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.
- 12.1.3. **PERSISTENCE AND DEGRADABILITY**
  - 12.1.3.1. Biodegradation: Base oil component – Expected to be inherently biodegradable.

# SAFETY DATA SHEET

---

## 13. DISPOSAL CONSIDERATIONS

---

**13.1. Waste Disposal:**

- 13.1.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

**13.2. DISPOSAL RECOMMENDATIONS**

- 13.2.1. 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

**13.3. REGULATORY DISPOSAL INFORMATION**

- 13.3.1. To the best of Royal Manufacturing Company, LP 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.

**13.4. Empty Container Warning:**

- 13.4.1. 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

## 14. TRANSPORTATION INFORMATION

---

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

---

**14.1. ROAD AND RAIL**

- 14.1.1. DOT: NOT REGULATED

**14.2. VESSEL**

- 14.2.1. IMDG: NOT REGULATED

**14.3. AIR**

- 14.3.1. IATA: NOT REGULATED

## 15. REGULATORY INFORMATION

---

**15.1. OSHA Hazard Communication Standard:**

- 15.1.1. When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**15.2. WHMIS:**

- 15.2.1. Not a controlled product

**15.3. Chemical Inventory Listing:**

- 15.3.1. TSCA, CEPA

**15.4. EPCRA:**

- 15.4.1. This material contains no extremely hazardous substances.

**15.5. SARA (311/312) Reportable Hazard Categories:**

- 15.5.1. None

**15.6. SARA (313) Toxic Release Inventory:**

- 15.6.1. This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

# SAFETY DATA SHEET

---

**15.7. TSCA:**

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

**15.8. CEPA:**

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

**15.9. Jersey Right-to-Know Label**

**15.9.1.** Power Equipment Lubricating Grease

## 16. OTHER INFORMATION

---

*NE = Not Established, ND = Not Determined, NA = Not Applicable*

Risk Phrases:

|     |               |                                                         |
|-----|---------------|---------------------------------------------------------|
| R37 | Inhalation:   | Excessive exposure may result in respiratory irritation |
| R36 | Eye Contact:  | Excessive exposure may result in eye irritation         |
| R38 | Skin Contact: | Excessive exposure may result in skin irritation        |

| HAZARD RANKINGS     |   |                        |   |
|---------------------|---|------------------------|---|
| HMIS                |   | NFPA                   |   |
| HEALTH HAZARD       | 1 | HEALTH HAZARD          | 1 |
| FIRE HAZARD         | 1 | FIRE HAZARD            | 1 |
| PHYSICAL HAZARD     | 0 | INSTABILITY/REACTIVITY | 0 |
| PERSONAL PROTECTION | B |                        |   |

Date of preparation: 03/25/2013.

**MANUFACTURER DISCLAIMER:**

*The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose*