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**EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK**

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**SECTION I – PRODUCT IDENTIFICATION**

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**Product Name: Coupling Lube EP #1**  
**Product Category: Petroleum Lubricating Grease**

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**SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS**

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| <b>COMPONENTS</b>          | <b>CAS #</b>          | <b>% WT</b> | <b>CARCINOGEN<br/>OSHA or IARC</b> |
|----------------------------|-----------------------|-------------|------------------------------------|
| Lithium 12 Hydroxystearate | 7320-77-1             | 4 – 7%      | No                                 |
| Mineral Oil                | 64742-65-0            | 50 – 60%    | No                                 |
| Mineral Oil                | 64742-16-1/64741-56-6 | 30 – 40%    | No                                 |
| Zinc Alkyldithiophosphate  | 68649-42-3            | .5 – 2.0%   | No                                 |
| Molybdenum disulfide       | 1317-33-5             | 2 – 4%      | No                                 |

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**SECTION III - PHYSICAL AND CHEMICAL PROPERTIES**

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**Boiling Range:** 700° F  
**Vapor Pressure:** Not available  
**Vapor Density (Air = 1):** Not available  
**Specific Gravity (15.6 ° C): @ 16° C:** .88  
**Percent Volatile by Volume:** Not available  
**Molecular Weight:** Not available  
**Evaporation Rate:** Not available  
**Solubility in Water @ 1 ATM and 25 o C (77 ° F):** Negligible  
**pH:** Not available  
**Melting Point:** 365° F  
**Viscosity:** > 100 SUS @ 100 ° F  
**Product Appearance and Odor:** Dark Gray/Black Semi-solid Petroleum

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**SECTION IV – FIRE-FIGHTING MEASURES**

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**Flash Point:** 450° F (D-92)  
**Auto-ignition Temperature:** 500° F  
**Flammable Limits %:** Not available  
**Extinguishing Media and Fire Fighting Procedures:** Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

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**SECTION V – REACTIVITY DATA**

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**Stability:** Stable under normal conditions.

**Incompatibility:** Strong Oxidizers

**Hazardous Decomposition Products – Thermal and Other:** CO & CO<sub>2</sub> if incomplete combustion. Oxides of sulfur.

**Conditions to avoid:** Open flames.

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**SECTION VI – HEALTH HAZARD INFORMATION**

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In compliance with hazard and right-to-know requirements, where applicable OSHA Hazard Warnings may be found on the label, bill of lading or invoice accompanying this shipment.

**Note:** Product label may also contain non-OSHA-related information.

**Hazardous Materials Identification System (HMIS)**

Health – 0    Flammability – 1    Reactivity – 0

**Permissible Exposure Limit:** ACGIH: 20    OSHA 2004 5mg/m<sup>3</sup> for mineral oil

**Effects of Overexposure (Signs and symptoms of exposure):** None when used with good personal hygiene practices. May otherwise cause skin and eye irritation upon prolonged or repeated contact.

**Acute Toxicological Properties:** No data available

**Pre-existing Medical Conditions that may be Aggravated by Exposure:** None recognized.

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**SECTION VII – FIRST AID MEASURES**

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**Eye Contact:** If lubricant gets into the eyes flush with clear water for 15 minutes or until irritation subsides. Get medical attention.

**Skin:** In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before re-use. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high-pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

**Inhaled:** NA

**Ingested:** **DO NOT** induce vomiting. Call a physician immediately.

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### SECTION VIII – ACCIDENTAL RELEASE MEASURES

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**Clean Water Act / Oil Pollution Act:** This product may be classified as oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharge, spills into, or leading to surface waters that cause sheen must be reported to the National Response Center (1-800-424-8802).

**Steps to be Taken in Case Material is Released or Spilled:** Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize skin contact. 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.

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### SECTION IX – STORAGE AND HANDLING

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**Handling Precautions:** Use product with caution around heat, sparks, pilot lights, static electricity, and open flame.

**“Empty” Container Warning:** “Empty” containers retain residue (liquid and /or vapor) can be dangerous. **DO NOT** pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition since they may explode and cause injury or death.

**DO NOT** attempt to refill or clean containers since residue is difficult to remove. “Empty” drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration Regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

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### SECTION X – SPECIAL PROTECTION INFORMATION

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**Respiratory Protection:** Use with adequate ventilation.

**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:** None normally required.

**Personal Hygiene:** Minimize breathing vapor, mist, or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing and launder or dry-clean before re-use. Remove contaminated shoes and thoroughly clean before re-use and discard if oil-soaked. Cleanse skin thoroughly after contact and before breaks, meals, and at end of work period. Product is readily removed from skin by waterless hand cleaner followed by washing thoroughly with soap and water.

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### SECTION XI – TOXICOLOGICAL INFORMATION

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This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-know Act of 1986 (40 CFR 382):

| <u>Chemical Name</u>      | <u>CAS #</u> | <u>% WT</u> |
|---------------------------|--------------|-------------|
| Zinc Alkyldithiophosphate | # 68649-42-3 | .5 – 2.0 %  |

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**SECTION XII – TRANSPORTATION INFORMATION**

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**U.S. DOT Hazardous Materials Shipping Description:** Not regulated

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**SECTION XIII – OTHER INFORMATION**

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The health and safety information presented herein must be used in conjunction with the pertinent standards for training, work practices and facilities design established by OSHA, NIOSH, NFPA, API, NEC, NSC, UNDERWRITERS, BUREAU OF MINES, and similar organizations. We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind express or implies, and we assume no responsibility for any loss, damage, or expense direct or consequential, arising out of their use.

**Prepared By:** Sharon L. Haiser  
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