

MATERIAL SAFETY DATA SHEET

| Manufacturer: Schaeffer Mfg. Company | | Emergency Response Number: | |
|---|--|---|-----------------|
| Address: 102 Barton Street | | 314-865-4105 (24-hour emergency number) or | |
| Address: St. Louis, MO 63104 | | 800-325-9962 | |
| SECTION 1 – PRODUCT INFORMATION | | | |
| Chemical Family: Petroleum Hydrocarbons and Additives | | Trade Name: #127 Moly Rock Drill Oil ISO 68 | |
| Formula: Proprietary Mixture | | | |
| SECTION 2 – HAZARDOUS INGREDIENTS | | | |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES | CAS Number | % | Exposure Limits |
| | | | TVL |
| | | | ppm |
| Antimony dithiocarbamate | 15890-25-2 | 0.2-0.5 | 0.5 |
| Zinc Dithiophosphate | 26566-95-0 | <1 | NE |
| Molybdenum Disulfide | 26566-95-0 | 1-3 | 10 |
| Poly (oxy-1-2 Ethanedyl) alpha (Nonylphenyl)-omega-hydroxy | 9016-45-9 | 2 | NE |
| Ethylene Oxide | 75-21-8 | <4 ppm | 25 |
| Section 3 – PHYSICAL DATA | | | |
| Boiling Point: | >600°F/316°C | Specific Gravity: | .8762 |
| Vapor Pressure (mm. Hg): | <.1 | % Volatile: | Not Established |
| Vapor Density (Air = 1): | Not Established | Evaporation Rate: (=1) | Not Established |
| Solubility in Water: | Emulsifies | pH: | Not Applicable |
| Appearance and Odor: Grey color, slight smell. | | | |
| SECTION 4 - FIRE AND EXPLOSION HAZARD DATA | | | |
| Flash Point (Method) °F/°C: 435°F/223°C | | Flammability Limits UEL & LEL ---- Not Determined | |
| Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog. | | | |
| Special Fire Fighting Procedures: Firefighters must use self-contained breathing apparatus.. | | | |
| Unusual Fire & Explosion Hazards: None expected. | | | |
| SECTION 5 - REACTIVITY HAZARD DATA | | | |
| STABILITY | <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR | |
| Conditions to Avoid: High heat, high energy ignition sources | | | |
| Incompatibility (Mat. to avoid): Strong oxidants | | | |
| Hazardous Decomposition Products: Oxides of carbon, sulfur, phosphorus, aldehydes and ketones. | | | |
| Conditions to Avoid: None | | | |
| SECTION 6 - HEALTH HAZARD DATA | | | |
| Threshold Limit Value and Sources: 5.0/mg/m ³ . OSHA & ACGIH. | | | |
| Acute Effects of Overexposure: | | | |
| Ingestion: | Nausea and Diarrhea. | | |
| Eye Contact: | Irritation and redness to eyes | | |
| Skin Contact: | Prolonged and repeated contact with the skin can cause irritation and redness to skin. | | |
| Inhalation: | Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract. | | |
| CHRONIC EFFECTS OF OVEREXPOSURE: None currently known | | | |
| Emergency and First Aid Procedures: | | | |
| Swallowing: | If a large amount of this material is swallowed give a large amount of water to drink. Do not induce vomiting. Seek medical attention immediately. | | |
| Skin: | Wash skin thoroughly with soap and water. Launder contaminated clothing. | | |
| Inhalation: | Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately. | | |
| Eyes: | Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately | | |
| SECTION 7 – SPILL OR LEAK PROCEDURES | | | |
| Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802. | | | |
| Procedures To Be Taken If Material Is Released or Spilled: Immediately absorb spilled material with absorbent clay, diatomaceous earth or other suitable material. Keep out of sewers and waterways. | | | |
| Waste Disposal Method: Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. | | | |
| SECTION 8 – SPECIAL PROTECTION INFORMATION | | | |
| Respiratory Protection: | None required under ordinary conditions of use. | | |
| Ventilation: | No special requirement under ordinary conditions of use and with adequate ventilation. | | |
| Eye Protection: | Goggles of face shield. | | |
| Protective Clothing: | None required. | | |

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| SECTION 9 – SPECIAL PRECAUTIONS | | |
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| Precautions To Be Taken In Handling and Storage: Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use. | | |
| Special Comments: Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water after handling. Keep away from food and feed products. Avoid breathing vapors or mist. | | |
| SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA | | |
| HMIS & NFPA Ratings: Health = 1 Fire = 1 Reactivity = 0 | | |
| This product does not contain any of the chemicals in amounts greater than .1% listed as causing cancer in the National Toxicology Program's Annual reports, the International Agency for Cancer Research's Monographs and OSHA's 1910.10 Subpart Z List. | | |
| This product contains a trace amount of Ethylene Oxide. Ethylene Oxide is listed on the State of California's Proposition 65 List as a potential cancer causing agent and reproductive toxin. | | |
| This product contains 0.2-0.5% of Antimony Dithiocarbamate CAS #15890-25-2 which is listed on the EPA's SARA Title III as Antimony and Antimony Compounds | | |
| All of the components in this material are on the US TSCA Inventory. All components are in compliance with the Canadian Environmental Act. | | |
| Transportation Information: | | |
| DOT Classification: Not Regulated | | |
| IMDG Classification: Not Regulated | | |
| IATA Classification: Not Regulated | | |

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