

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION  |  |                                      |   |   |                            |                           |
|--|--|--------------------------------------|---|---|----------------------------|---------------------------|
| <b>NFPA Rating:</b> Health-1; Flammability-1; Reactivity-0; Special- -<br><b>Manufacturer's Name:</b> <b>RICMAR INDUSTRIES</b><br><b>Address:</b> <b>889 NORTH LARCH AVE.</b><br><b>ELMHURST IL 60126</b>    |  |                                      | <b>HMIS Rating:</b> Health-1; Flammability-1; Reactivity-0; Personal Protection-B<br><b>DOT Hazard Classification:</b> Non-Hazardous<br><b>Identity (trade name as used on label):</b><br><b>LITHIUM #2</b> |   |                            |                           |
| <b>Date Prepared:</b> 06/02/95 <b>Prepared By:</b> RC  |  |                                      | <b>MSDS Number:</b> RL 733 <b>Revision -</b> 7  |   |                            |                           |
| <b>Information Calls:</b><br><b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924  |  |                                      | <b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>   |   |                            |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION  |  |                                      |   |   |                            |                           |
| <b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b><br>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)   |  | CAS Number                           | SARA III LIST   | OSHA PEL (ppm)  | ACGIH TLV (ppm)            | Carcinogen Ref. Source ** |
| <b>PETROLEUM OIL MIXTURE</b>   |  | 647452-52-5                          | No  | 5mg/M3<br>TWA for oil mist  | 5mg/M3<br>TWA for oil mist | d                         |
|  |  |                                      |   |   |                            |                           |
|  |  |                                      |   |   |                            |                           |
|  |  |                                      |   |   |                            |                           |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS  |  |                                      |   |   |                            |                           |
| <b>Boiling Point:</b> N/A  |  |                                      | <b>Specific Gravity (H2O=1):</b> 0.8  |   |                            |                           |
| <b>Vapor Pressure: PSIG @ 70°F (Aerosols):</b> N/A   |  |                                      | <b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> <0.01  |   |                            |                           |
| <b>Vapor Density (Air = 1):</b> 12   |  |                                      | <b>Evaporation Rate ( = 1):</b> N/A   |   |                            |                           |
| <b>Solubility in Water:</b> Negligible   |  |                                      | <b>Water Reactive:</b> No   |   |                            |                           |
| <b>Appearance and Odor:</b> Blue gel with oil odor.  |  |                                      |   |   |                            |                           |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA   |  |                                      |   |   |                            |                           |
| <b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> N/A  |  | <b>Auto Ignition Temperature</b> N/A |   | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/D      % UEL: N/D |                            |                           |
| <b>FLASH POINT AND METHOD USED (non-aerosols):</b> >400°F COC  |  |                                      | <b>EXTINGUISHER MEDIA:</b> Dry chemical (preferred), carbon dioxide, foam, water.   |   |                            |                           |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.   |  |                                      |   |   |                            |                           |
| <b>Unusual Fire &amp; Explosion Hazards:</b> Empty containers may retain product residue including flammable or explosive vapors. Do not cut, drill, grind or weld on or near full, part full or empty drum. |  |                                      |   |   |                            |                           |
| SECTION 4 - REACTIVITY HAZARD DATA   |  |                                      |   |   |                            |                           |
| <b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE   |  |                                      | <b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR   |   |                            |                           |
| <b>Incompatibility (Mat. to avoid):</b> Chlorine or oxygen.  |  |                                      | <b>Conditions to Avoid:</b> Oxidizing atmospheres.  |   |                            |                           |
| <b>Hazardous Decomposition Products:</b> Thermal: unidentified organics. Oxidation: oxides of carbon.  |  |                                      |   |   |                            |                           |
| SECTION 5 - HEALTH HAZARD DATA   |  |                                      |   |   |                            |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS   |  |                                      |   |   |                            |                           |
| ACUTE EFFECTS  |  |                                      |   |   |                            |                           |
| <b>Inhalation:</b> Not expected to be a problem. Massive exposure to vapors or fumes may cause headaches, dizziness, and/or drowsiness.  |  |                                      |   |   |                            |                           |
| <b>Eye Contact:</b> May cause irritation.  |  |                                      | <b>Skin Contact:</b> May cause irritation.  |   |                            |                           |
| <b>Ingestion:</b> May cause vomiting, nausea, diarrhea.  |  |                                      |   |   |                            |                           |
| <b>CHRONIC EFFECTS:</b> None noted.  |  |                                      |   |   |                            |                           |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> Dermatitis.  |  |                                      |   |   |                            |                           |
| EMERGENCY FIRST AID PROCEDURES   |  |                                      |   |   |                            |                           |
| <b>Eye Contact:</b> Wash with large amounts of water. If irritation persists, call a physician.  |  |                                      |   |   |                            |                           |
| <b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water.   |  |                                      |   |   |                            |                           |
| <b>Inhalation:</b> Remove to fresh air.  |  |                                      |   |   |                            |                           |
| <b>Ingestion:</b> DO NOT INDUCE VOMITING. Give 3-4 glasses of water. Seek medical attention.   |  |                                      |   |   |                            |                           |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES  |  |                                      |   |   |                            |                           |
| <b>Respiratory Protection (specify type):</b> None required.   |  |                                      |   |   |                            |                           |
| <b>Protective Gloves:</b> Oil resistant types.   |  |                                      | <b>Eye Protection:</b> Splash goggles or safety glasses.  |   |                            |                           |
| <b>Ventilation Requirements:</b> None required in excess to normal ventilation.  |  |                                      |   |   |                            |                           |
| <b>Other Protective Clothing &amp; Equipment:</b> Oil resistant apron.   |  |                                      |   |   |                            |                           |
| <b>Hygienic Work Practices:</b> Do not work in oil soaked clothing. Wash after handling.   |  |                                      |   |   |                            |                           |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE  |  |                                      |   |   |                            |                           |
| <b>Steps To Be Taken If Material Is Spilled Or Released:</b> Stop flow, dike spill, eliminate all ignition sources, absorb on inert material and scrape up.  |  |                                      |   |   |                            |                           |
| <b>Waste Disposal Methods:</b> Dispose of in accordance with local, state and federal regulations.   |  |                                      |   |   |                            |                           |
| <b>Precautions To Be Taken In Handling &amp; Storage:</b> Avoid prolonged exposure to mist and vapors. Avoid flames, sparks and hot surfaces. Keep containers closed. Shelf life one year.                   |  |                                      |   |   |                            |                           |
| <b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Empty containers may contain explosive gas.  |  |                                      |   |   |                            |                           |

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

**THIS MSDS IS CURRENT AS OF JULY 18, 2000.** The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.