

*Universal* Thread Grinding Company  
30 Chambers Street  
Fairfield, CT 06825  
TEL: (203) 336-1849 FAX: (203) 366-1326

## **MATERIAL SAFETY DATA SHEET**

Universal KS-46 Leadscrew Grease

October 1, 2008

### **Section 1 - Company Identification**

Universal Thread Grinding Company  
30 Chambers Street  
Fairfield, CT 06825  
Emergency Phone: (203) 336-1849

### **Section 2 - Composition Information**

Polyalkylene glycol oil  
Lithium soap  
Molybdenum compound

### **Section 3 - Health Effects**

**Eyes:** May cause irritation upon contact.

**Skin:** May cause irritation upon repeated contact.

**Inhalation:** Vapor inhalation under ambient conditions will not occur, however, if heated to high temperatures, oil mist may cause irritation to the respiratory tract.

**Ingestion:** May cause irritation to the respiratory tract and diarrhea.

### **Section 4 - First Aid Measures**

**Eyes:** Flush eyes with clean water for 20 minutes. Seek medical attention if irritation persists.

**Skin:** Wash with soap and water. See medical attention if irritation or rash persists.

**Inhalation:** Remove victim to fresh air. If respiratory problems continue, seek medical attention.

**Ingestion:** Wash out mouth immediately. Do not induce vomiting. Seek medical attention.

**Advice to Physician:** Treat systematically.

### **Section 5 - Exposure Controls**

**Eye Protection:** Safety glasses when applying product to moving parts. Consult your company's policy regarding eye protection.

**Hand Protection:** Grease proof gloves for hypersensitive persons. Consult your company's policy regarding hand protection.

**Body Protection:** Clean overalls. Consult your company's policy regarding personal protective clothing.

**Respiratory Protection:** No special respiratory protection is required, however, if misting occurs, use appropriate NIOSH approved respirators. Consult your company's policy regarding respiratory protection.

**Other Protective Measures:** Emergency eyewash/shower equipment should be readily available.

### **Section 6 - Fire Fighting Measures**

**Flash Point:** May be combustible at high temperatures.

**Lower Explosion Limit:** Not determined.

**Upper Explosion Limit:** Not determined.

**Extinguishing Media:** Water mist, foam, dry chemical or carbon dioxide. Do not use water jet as this may spread fire and contamination. Product may float and re-ignite.

**Respiratory Protection:** Self contained breathing apparatus.

### Section 7 - Accidental Release

If product leaks or is inadvertently spilled, eliminate ignition sources and prevent spill from entering drains and waterways. Absorb spilled product with absorbent and place in a container for proper disposal.

### Section 8 - Handling and Storage

**Handling:** No special handling precautions are necessary, however, good personal hygiene is recommended. Wash hands with soap and water before eating, drinking or smoking. Use product in well ventilated areas. Keep away from children.

**Storage:** Keep container tightly closed in a cool, well ventilated place. Keep away from foodstuffs. Keep away from elevated temperatures.

### Section 9 - Physical and Chemical Properties

**Appearance:** Brown grease

**Drip point:** >160° C (DIN ISO 2176)

**Vapor Pressure (mm Hg):** Not determined

**Density:** ~0.99 g/cm<sup>3</sup> @ 20° C

**Solubility in Water:** Insoluble

### Section 10 - Stability & Reactivity

**Stability:** Stable under ambient conditions.

**Conditions to Avoid:** Open flames and heat sources.

**Materials to Avoid:** Oxidizing agents.

**Hazardous Decomposition Products:** Burning generates smoke, carbon monoxide, carbon dioxide and airborne soot.

**Hazardous Polymerization:** Will not occur.

### Section 11 - Toxicological Information

**Acute Toxicity:** Not determined.

**Chronic Toxicity:** Not determined.

**Sensitization:** Not known to be a sensitizer.

### Section 12 - Disposal Considerations

Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. As a new product, it is not considered an RCRA hazardous waste.

### Section 13 - Transportation

**DOT:** Not regulated.

**IATA:** Not regulated.

**IMDG:** Not regulated.

### Section 14 - Regulatory Information

**TSCA:** All components are either exempt or listed on the TSCA inventory.

**SARA Section 302 EHS:** This product does not contain an Extremely Hazardous Substances.

**SARA Section 304 CERCLA Hazardous Substance:** This product does not contain an reportable CERCLA Hazardous Substances.

**SARA Section 313 Toxic Chemical List:** This product does not contain an Toxic Chemicals

**RoHS:** Compliant

### Section 15 - Additional Information

HMIS Rating

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Personal Protection:** B