# JL-M MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION

**Product Name:** JL-M Lubricant
**Revised:** 04/06/09 **Supercedes:** 04/06/06
**Prepared by:** C. Semerod
**Emergency Information:** (412) 279-1149

**Manufacturer's Name:** Superbolt, Inc.
**Manufacturer's Address:** 1000 Gregg Street
Carnegie, PA 15106
**Manufacturer's Phone #:** (412) 279-1149

## SECTION 2 – HAZARDOUS INGREDIENTS

| CHEMICAL NAME: | CAS NO.: | OSHA PEL: | ACGIH TLV: | (STEL) |
|---|---|---|---|---|
| Molybdenum Disulfide | 1317-33-5 | 10 mg/m3 | 10 mg/m3 | N/A |
| Silica, Fused | 60676-86-0 | 0.1 mg/m3 | 0.1 mg/m3 | N/A |
| Graphite | 7782-42-5 | | 2 mg/m3 | N/A |
| Silica, Crystalline | 14808-60-7 | | 0.05 mg/m3 | N/A |
| Highly Refined Mineral Oil | N/A | 5 mg/m3* | 5 mg/m3* | 10mg/m3* |

Proprietary Additives Mixture (<1%)
(*) *Designates limits set by OSHA and the ACGIH for oil mist. This product is sold in a paste form so misting should not occur.*

## SECTION 3 – PHYSICAL DATA

**Appearance and Odor:** Dark Grey Paste, Mild Petroleum
**Boiling Point:** > 600 degrees F
**% Volatile:** 0%
**Vapor Density:** > 2.0 (Air = 1)
**Evaporation Rate:** N/A
**Specific Gravity:** 4.8 (Water = 1)
**Vapor Pressure:** <0.1 (mm Hg)
**Solubility in Water:** Negligible
**pH:** N/A

## SECTION 4 – FIRE AND EXPLOSION DATA

**Flash Point:** 374 degrees F
**Lower Explosive Limit:** N/A
**Upper Explosive Limit:** N/A
**Extinguishing Media:** Carbon Dioxide, Regular Foam, Dry Chemical
**Special Fire Fighting Procedures:** Fire may produce dense smoke, firefighters should wear self contained breathing apparatus. Use water to cool fire exposed containers.
**Unusual Fire & Explosion Hazards:** Decomposition and combustion by-products may be toxic. Heated containers may rupture or explode.

## SECTION 5 – REACTIVITY DATA

**Stability:** Stable **Hazardous Polymerization:** Will not occur.
**Incompatibility:** Avoid contact with oxidizing agents, heat, sparks or flame.
**Hazardous Combustion By-Products:** Carbon Monoxide, Sulfur Dioxide, Aldehydes, and Nitrogen Oxides
**Hazardous Decomposition:** Thermal decomposition may yield methacrylate monomers.

## SECTION 6 – STORAGE & HANDLING

**Handling Precautions:** Use good personal hygiene practices. Clean contaminated clothing and protective equipment before reuse.

**Storage Precautions:** Store in a cool dry location. Keep container tightly closed when not in use and during transport. Keep away from open sparks or flames.

## SECTION 7 – HEALTH HAZARDS

**Effects of Overexposure:**
**Skin:** May Cause Irritation
**Eyes:** Eye Irritant. May cause redness and Blurred vision.
**Ingestion:** Not Expected
**Inhalation:** Not Expected (Chronic respiratory diseases may be aggravated by dust exposure.)

| NFPA CODES: | | HMIS RATING: | |
|---|---|---|---|
| Health: | 1 | Health: | 1 |
| Flammability: | 1 | Flammability: | 1 |
| Reactivity: | 0 | Reactivity: | 0 |
| PPE: | B | PPE: | B |

**Carcinogenicity:** Silica is a suspected carcinogen in a respirable form by the IARC and NTP however, not by the ACGIH or OSHA.

**First Aid Procedures:**
**Skin:** Remove contaminated clothing from irritated area. Flush exposed area with mild soap and water. Seek medical attention if irritation persists.
**Eyes:** Flush eyes with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
**Ingestion:** Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration into the lungs. Seek immediate medical attention.
**Inhalation:** Remove to fresh air. Obtain medical attention if necessary.

## SECTION 8 – SPECIAL PROTECTION

**Eye Protection:** Safety Glasses or Face Shield
**Protective Gloves:** Recommended
**Respiratory Protection:** Avoid breathing dust, use an approved respirator if levels exceed OSHA limits.
**Ventilation:** Local ventilation to maintain levels within OSHA limits.

## SECTION 9 – SPILL AND DISPOSAL PROCEDURES

**Spill Procedures:** Scrape or wipe up any spilled material. Wear proper protective equipment when cleaning up a spill.
**Disposal Procedures:** Dispose of in accordance with any applicable federal, state, or local laws.

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