

MATERIAL SAFETY DATA SHEET

DATE PREPARED: September 21, 2012

SUPERSEDES: October 16, 2009

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME

**GARLOCK LUBALL LUBRICATING
COMPOUND with MOLY[®] S₂* ADDED**

* Garlock Trademark for Molybdenum Disulfide

PRODUCT CODES

49006

COMPANY NAME

Garlock
SEALING TECHNOLOGIES[®]

an EnPro Industries company

ADDRESS

1666 DIVISION STREET
PALMYRA, N.Y. 14522

PHONE NUMBER

315-597-4811 FAX 315-597-3039

EMERGENCY PHONE

**315-597-4811
MON. - FRI.
9:00 AM – 4:00 PM (EST)**

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is dark grey grease consisting chiefly of petroleum hydrocarbon.

Under normal and intended use conditions it is not anticipated that hazardous components will be released.

Thermal decomposition will release oxides of carbon, smoke and possibly other fumes that may be hazardous.

NFPA Rating: Health 1 Fire 1 Reactivity 0

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS

IARC

OSHA

NTP

Silica, Crystalline, IARC Group 1
(Sufficient evidence of carcinogenicity in humans)

Yes

No

Yes

POTENTIAL HEALTH EFFECTS

Under normal and intended use conditions it is not anticipated that dust levels sufficient to cause symptoms or adverse health effects will be produced.

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SECTION 2: HAZARDS IDENTIFICATION (Continued from Page 1)

Eyes:	Sustained contact with product in the eye may cause irritation.
Skin:	No hazard in normal industrial use. Prolonged skin contact may cause redness and irritation.
Ingestion:	Not an expected route of exposure. Ingestion may cause abdominal pains, nausea and vomiting.
Inhalation:	Prolonged and repeated exposure to dust in excessive quantities can produce irritation, pneumoconiosis and cancer to the lung and respiratory tract.
Target Organs:	Lungs – Prolonged and repeated overexposure to dust can cause lung and respiratory tract damage.
Signs & Symptoms:	Acute: Short contact with skin is not likely to produce irritation. Prolonged contact may produce slight irritation to skin or eyes. Chronic (long-term) effects of exposure to high dust levels may include respiratory tract irritation, chest tightness and difficulty breathing.
Chronic Effects:	Respiratory and lung disorders can result when exposed to prolonged and repeated elevated dust levels. These disorders can include delayed injuries such as pneumoconiosis (a fibrotic disease in the lung tissue) or lung cancer. Chronic lung injury, including silicosis can be progressive, disabling, and may lead to death.
Conditions Aggravated by Exposure:	Skin disorders may be aggravated, particularly by long term exposure.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>% WT. (Optional)</u>
Organophilic Clay	Mixture	
Molybdenum Disulfide	1317-33-5	
Silica, Crystalline	14808-60-7	<1
Residual oils(petroleum), solvent-refined	64742-01-4	
Solvent-Refined Heavy Paraffinic Distillate (Petroleum)	64741-88-4	
Propylene Carbonate	108-32-7	<2

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SECTION 4: FIRST AID MEASURES

- Eyes:** Flush the eyes with water for at least 15 minutes while keeping eyelids open. Get medical attention if irritation persists.
- Skin:** Remove Contaminated clothing. Wash skin with warm water and soap. . Get medical attention if irritation persists. Do not reuse clothing until clean.
- Ingestion:** Do not induce vomiting. Call a physician immediately.
- Inhalation:** No specific treatment is necessary for normal exposure. If exposed to excessive levels remove victim to fresh air. If breathing is difficult or symptoms persist call a physician.

SECTION 5: FIRE FIGHTING MEASURES

- | | |
|-------------------------------------|--|
| Flash Point: 347°F | Method: ASTM D-92 |
| Upper Flammable Limit (UFL): | Not Determined. |
| Lower Flammable Limit (LFL): | Not Determined. |
| Autoignition Temperature: | Not Determined |
| Flammability Classification: | NFPA 1 (Substance must be preheated to ignite) |

Hazardous Products of Combustion

Composition of by-products from the result of a fire will vary depending on the specific conditions. Potential hazardous products of combustion include smoke, carbon monoxide , oxides of sulfur. There may be others unknown to us.

Fire fighting Instructions

As in any fire, use a self-contained breathing apparatus (SCBA) in the pressure-demand mode in conjunction with full protective gear.

Extinguishing Media

Carbon dioxide, water fog , foam or dry chemical. Be sure to use fire extinguisher appropriate to surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove bulk of spilled material with scoop and clean residuals with dry absorbent and strong detergent and water. Place spilled material into covered container for disposal. Dispose according to local, state and federal regulations.

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SECTION 7: HANDLING AND STORAGE

Handling

Use recommended personal protection equipment outlined in section 8. Do not eat, drink, or smoke or apply make-up when using this material. Wash hands after using this material and before entering non-work areas or handling food or applying cosmetics. Do not use tobacco products in immediate area.

Storage

Store in a cool area, keeping material packaged in original containers. Protect from sparks, flames or excessive heat.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls

Ventilation: None required under normal conditions of use. Enclosed areas or large quantities may require use of local exhaust sufficient to lower concentration of dust, vapor or mist below PEL/TLV limits. Maintain and test ventilation systems in accordance with OSHA regulations (29CFR 1910.94). Review OSHA 29CFR part 1910.1000 or 29CFR Part 1926 Subpart Z for exposure level information.

Personal Protective Equipment

Eyes and Face: American National Standards Institute (ANSI) approved Z-87 safety glasses with side shields or equivalent chemical splash goggles.

Skin: Oil resistant gloves such as Nitrile, Neoprene or Polyethylene.

Respiratory: None required under normal conditions of use.

If base oil has been volatilized, use of a respirator may be required. Use a NIOSH approved air purifying respirator with an R100 or P100 (high efficiency) filter cartridge in accordance with OSHA respirator program requirements (29CFR 1910.134).

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SECTION 8: EXPOSURE CONTROLS (Continued from Page 4)

EXPOSURE GUIDELINES

<u>Component</u>	<u>OSHA PEL (8 Hr. TWA)</u>	<u>ACGIH TLV (8 Hr. TWA)</u>
Organophillic Clay	None Established	None Established
Molybdenum Disulfide	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)
Solvent-Refined Heavy Paraffinic Distillate (Petroleum)	5 mg/m ³ (oil mist)	5 mg/m ³ (oil mist)
Residual oils(petroleum), solvent- refined	5 mg/m ³ (oil mist)	5 mg/m ³ (oil mist)
Propylene Carbonate	None Established	None Established
Silica, Crystalline (Quartz)	10 mg/m ³ / %SiO ₂ + 2 (resp) 30 mg/m ³ / %SiO ₂ + 2 (total)	0.1 mg/m ³ (resp)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark grey grease.	Boiling Point:	Not Determined.
Odor:	Mild Petroleum	Freezing Point:	Not Determined
Physical State:	Paste	Melting Point:	Not Applicable
pH:	Not Applicable	Solubility In Water:	Negligible
Vapor Pressure:	Not Determined	Specific Gravity:	1.04
Vapor Density:	Not Determined	Reactivity with Water:	Non Reactive

SECTION 10: STABILITY AND REACTIVITY

Stability: The material is stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to avoid: Do not expose the material to open flame or other sources of ignition.

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SECTION 10: STABILITY AND REACTIVITY (Continued from Page 5)

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products

Composition of by-products from the result of a fire will vary depending on the specific conditions. Potential hazardous products of combustion include smoke, carbon monoxide, oxides of sulfur. There may be others unknown to us.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity data is available on the individual components. Call 315/597-4811 for information.

SECTION 12: ECOLOGICAL INFORMATION

No ecological information is available on this product.

SECTION 13: DISPOSAL INFORMATION

Dispose of in accordance with local, state, and federal regulations. Land fill is normally recommended.

SECTION 14: TRANSPORTATION INFORMATION

DOT - Not Regulated

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SECTION 15: REGULATORY INFORMATION

Sara Title III

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 and of 40 CFR 372.

- None Known

Warning, this product contains the following materials known to the state of California to cause cancer or reproductive effects:

- Crystalline Silica

SECTION 16: OTHER INFORMATION

This MSDS is prepared to safeguard the health of workers and to comply with the requirements of 29CFR 1910.1200. Consult your employer before working with this material.

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation and release and is not considered a warranty or quality specification. The responsibility for the compliance with existing law and regulations lies with the receiver of the product.

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