

# MATERIAL SAFETY DATA SHEET

DATE PREPARED: October 26, 2007

SUPERSEDES: September 9, 2004

## SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME *GARLOCK START-UP LUBRICANT*

PRODUCT CODES 49001

COMPANY NAME

**Garlock**  
SEALING TECHNOLOGIES®

an Ingersoll Rand Company

ADDRESS GARLOCK, INC.  
1666 DIVISION STREET  
PALMYRA, N.Y. 14522

PHONE NUMBER 315-597-4811 FAX 315-597-3196

EMERGENCY PHONE

315-597-4811  
MON. - FRI.  
9:00 AM - 4:00 PM

## SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

### EMERGENCY OVERVIEW

This product is a low solids water solution that contains no hazardous components under 29 CFR 1910.

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS IARC OSHA NTP  
None

## SECTION 3 HAZARDS IDENTIFICATION

COMPONENT NAME CAS NUMBER % WT.

This product contains no hazardous components under 29 CFR 1910.1200

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### SECTION 3 HAZARDS IDENTIFICATION (Continued from Page 1)

#### POTENTIAL HEALTH EFFECTS

Direct contact with eyes may cause transient irritation.

**Eyes:** Direct contact with eyes may cause transient irritation.

**Skin:** Contact with skin has low irritation potential.

**Ingestion:** LD50 is > 50 g/Kg

**Inhalation:** Product does not present an inhalation hazard.

**Target Organs:** Eyes and skin.

**Signs & Symptoms:** Acute (immediate) effects may include possible eye and skin irritation.  
Chronic (long-term) effects – none known.

**Conditions Aggravated by Exposure:** None identified.

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush the eyes with water for a least 15 minutes. Get medical attention if irritation continues.

**Skin:** If skin becomes irritated, wash area thoroughly with water and soap. Get medical attention if irritation continues.

**Inhalation:** No first aid is expected to be required.

**Ingestion:** No first aid is expected to be required. If difficulties arise, contact a physician.

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### **SECTION 5 FIRE FIGHTING MEASURES**

**Flash Point:** Not Flammable

**Upper Flammable Limit (UFL):**

**Lower Flammable Limit (LFL):**

**Autoignition Temperature:**

**Flammability Classification:**

**Method:** Not applicable

Not Applicable

Not Applicable

Not Applicable

Not Flammable

#### **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. 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. Sealed containers can build up pressure when exposed to high heat. Cool containers with water.

#### **Extinguishing Media**

Does not apply. Be sure to use fire extinguisher appropriate to surrounding fire.

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Product is extremely slippery. Material should be washed, swept or squeegeed from floor using wet mops. Outside spills should be covered with sand, dirt, gravel or calcium chloride. Household bleach can be applied to reduce slippery character.

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### **SECTION 7 HANDLING AND STORAGE**

#### **Handling**

Clean spill immediately.

#### **Storage**

Keep product containers covered when not in use.

### **SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

#### **Engineering Controls**

**Ventilation:** Normal work-place ventilation is adequate.

#### **Personal Protective Equipment**

**Eyes and Face:** Safety glasses with side shields are recommended.

**Skin:** For repeated or prolonged skin contact, the use of impermeable gloves is recommend.

**Respiratory:** None required under normal intended use.

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### 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>
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There are no OSHA or ACGIH limit values for the product or any of its components.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Opaque, cream colored stringy gel.	<b>Boiling Point:</b>	212F
<b>Odor:</b>	Faint characteristic odor	<b>% Volatiles:</b>	95.7 (Wt. %)
<b>Physical State:</b>	Gel	<b>Viscosity:</b>	25,000-40,000 cps
<b>pH:</b>	7.5 to 9.0	<b>Solubility In Water:</b>	Soluble
<b>Vapor Pressure:</b>	18 mm @ 72F	<b>Specific Gravity:</b>	1.01
<b>Vapor Density:</b>	0.9 - 1.1 (Air = 1)	<b>Reactivity with Water:</b>	Non Reactive

### SECTION 10 STABILITY AND REACTIVITY

**Stability:** The material is stable.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Conditions to avoid:** Excessive heat.

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### **SECTION 10 STABILITY AND REACTIVITY ( Continued from Page 5)**

**Materials to avoid:** Strong acids, oxidizers and materials that react with water.

#### **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. There may be others unknown to us.

### **SECTION 11 TOXICOLOGICAL INFORMATION**

Toxicity data is available on the individual components. Call 315/597-3080 for information.

### **SECTION 12 ECOLOGICAL INFORMATION**

None available for 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**

D.O.T. Shipping Name: Not Regulated

### **SECTION 15 REGULATORY INFORMATION**

Warning, this product contains a material known to the state of California to cause cancer, birth defects or reproductive harm.

- None known

# MATERIAL SAFETY DATA SHEET

October 26, 2007

## *GARLOCK START-UP LUBRICANT*

### **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 a 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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