

REC'D APR 03 2000

THIS MSDS COVERS MANY DIFFERENT GASKET PARTS. PLEASE REFER TO PAGE 7 FOR THE COMPLETE MNEMONIC NUMBER LIST.

2476

**MATERIAL SAFETY DATA SHEET**

DATE PREPARED: September 3, 1999

SUPERSEDES: December 3, 1993

**SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION**

PRODUCT NAME **GARLOCK STYLE 3300**

PRODUCT CODES 39003 & 39103

COMPANY NAME GARLOCK SEALING TECHNOLOGIES  
ADDRESS GARLOCK, INC.  
1666 DIVISION STREET  
PALMYRA, N.Y. 14522

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

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

**SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS**

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>% WT.</u>
Kaolin	1332-58-7	45-55
Barium Sulfate	7727-43-7	5-15
Carbon Black	1333-86-4	<5
Silica, Crystalline	14808-60-7	<2
Note: Chloroprene elastomer is used as a binder for this product.	-----	5-15

**SECTION 3 HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

This product is a compressed non-asbestos gasketing product containing synthetic fibers, fillers, and elastomeric binders, predominantly Polychloroprene.

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

Excessive levels of some constituents can cause lung and respiratory tract disorders, including irritation, pneumoconiosis, and cancer. These effects generally occur as a result of long term (months, years) exposures to high dust levels. Maintain dust concentrations at low levels.

<b>PRODUCT CONSTITUENTS LISTED AS CARCINOGENS</b>	<b>IARC</b>	<b>OSHA</b>	<b>NTP</b>
Carbon Black - IARC, Group 2B (possibly carcinogenic to humans)	Yes	No	No
Silica, Crystalline, IARC Group 1 (sufficient evidence of carcinogenicity in humans)	Yes	No	Yes

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

#### 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.

- Eyes:** Dust or solids can cause eye and respiratory tract irritation.
- Skin:** No hazard in normal industrial use, although long term effects of exposure to high dust levels may include physical irritation.
- Ingestion:** The material is believed to present very little hazard if swallowed. May cause temporary irritation to the gastrointestinal tract.
- 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 can cause lung and respiratory tract damage.
- Signs & Symptoms:** Acute (immediate) effects include respiratory tract irritation, nose congestions, and temporary skin irritation may occur.  
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:** Smoking aggravates the effects of exposure to some product constituents. Pre-existing respiratory and lung diseases may be aggravated where substantial airborne dust levels are presented.

### SECTION 4 FIRST AID MEASURES

- Eyes:** Flush the eyes with water for a least 15 minutes. Do not rub eyes. Get medical attention if necessary.
- Skin:** No adverse effects are anticipated. Wash skin with warm water and soap.
- Ingestion:** Drink plenty of water.

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### *GARLOCK STYLE 3300*

#### SECTION 4 FIRST AID MEASURES (Continued From Page 2)

**Inhalation:** No adverse effects are anticipated by breathing small amounts during normal and intended use. If exposed to high dust levels, then remove to fresh air. Drink water and clear throat. Blow nose to clear dust.

#### SECTION 5 FIRE FIGHTING MEASURES

<b>Flash Point:</b> Not Flammable	<b>Method:</b> Not applicable
<b>Upper Flammable Limit (UFL):</b>	Not Applicable
<b>Lower Flammable Limit (LFL):</b>	Not Applicable
<b>Autoignition Temperature:</b>	Not Applicable
<b>Flammability Classification:</b>	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, hydrogen cyanide, hydrogen chloride and other chlorine bearing products. 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, or ABC dry chemical. Be sure to use fire extinguisher appropriate to surrounding fire.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

##### Small Spill

No special precautions are necessary where gasket product is intact and there is no substantial product dust generated. For any small amounts of dust, wet wipe and dispose.

##### Large Spill

If substantial amounts of dust are present as the result of a physical disturbance which disrupts the matrix of the material, the material should first be lightly misted with water then vacuumed using a vacuum cleaner equipped with a High Efficiency Particulate Air (HEPA) filtration device.

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### *GARLOCK STYLE 3300*

#### SECTION 7 HANDLING AND STORAGE

##### Handling

There are no special procedures for handling of the intact material during normal and intended use. Do not grind or cut with power saws. Dust and debris generated from this material must be managed by wet wiping vacuuming with HEPA filtration equipped vacuum cleaners. Do not dry sweep this material or blow dust/debris with compressed air. During product removal from service, wet the material to keep any dust levels low.

##### Storage

The product is stable under all conditions of storage.

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

##### Engineering Controls

**Ventilation:** Normal and intended use of this product will not produce material component levels in substantial airborne concentrations. In keeping with standard Industrial Hygiene practices, if exposure levels are not known, or if dust levels exceed the occupational exposure limits, then use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels to below recommended exposure 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:** Special precautions are not normally necessary. If dust is generated, use American National Standards Institute (ANSI) approved eye and face protection when subjected to potential eye and face hazards.

**Skin:** Special precautions are not normally necessary. If dust is generated, keep dust from contacting skin.

**Respiratory:** Normal intended use of this product will not produce material component levels in substantial concentrations. In keeping with standard Industrial Hygiene practices, if exposure levels are not known, or if the dust levels exceed occupational exposure limits, and engineering controls cannot be used then use the appropriate respiratory protection.

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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## GARLOCK STYLE 3300

### 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>
Kaolin	10 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (total dust)
Barium Sulfate	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	10 mg/m <sup>3</sup> (total dust)
Carbon Black	3.5 mg/m <sup>3</sup> (total dust)	3.5 mg/m <sup>3</sup> (total dust)
Silica, Crystalline (Quartz)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> + 2 (resp) 30 mg/m <sup>3</sup> / %SiO <sub>2</sub> + 2 (total)	0.1 mg/m <sup>3</sup> (resp)

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Gray/Black colored sheet material.	<b>Boiling Point:</b>	Not Applicable
<b>Odor:</b>	Slight rubber odor	<b>Freezing Point:</b>	Not Applicable
<b>Physical State:</b>	Solid	<b>Melting Point:</b>	
<b>pH:</b>	Not Applicable	<b>Solubility In Water:</b>	Not Soluble
<b>Vapor Pressure:</b>	Not Applicable	<b>Specific Gravity:</b>	Not Applicable
<b>Vapor Density:</b>	Not Applicable	<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:** Do not expose the material to direct flame or highly acidic environments.

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## *GARLOCK STYLE 3300*

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

**Materials to avoid:** Oxidizing materials, acids.

#### **Hazardous Decomposition Products**

Composition of by-products from the result of a fire or thermal decompsiton will vary depending on the specific conditions. Potential hazardous products of combustion include smoke, carbon monoxide , hydrogen cyanide, hydrogen chloride and other chlorine bearing products. 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 REGULATORY INFORMATION**

Warning, this product contains a mineral known to the state of California to cause cancer (silica, crystalline).

Dispose of in accordance with local, state, and federal regulations.

### **SECTION 13 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 herein is accurate to the best of our knowledge, but no warranty, expressed or implied, is made.

M-39003

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MNEMONIC #	Major Component Part #
GKT00561	GKT00561
GKT00598	451088410100
GKT01184	GKT01184
GKT01185	262338590100
GKT01186	GKT01186
GKT01187	262338610100
GKT02415	506702960100
GKT02416	506702950100
GKT02417	506702930100
GKT02418	506702940100
GKT02419	506714300100
GKT02420	506714290100
GKT02421	506714280100
GKT02422	506714270100
GKT02423	506714260100
GKT02424	506726130100
GKT02425	506726140100
GKT02426	506726150100
GKT02454	506702920100
GKT02455	506726170100
GKT02456	506726160100
GKT02457	506726120100
GKT02464	506726100100
GKT02685	
GKT02861	X23010041010
GKT02862	X23010042010
GKT02863	X23010043010
GKT02864	X23010044010
GKT02866	X23020515010
GKT02867	X23020516010
GKT02868	X23020517010
GKT02901	X23110393010
GKT02902	X23110394010
GKT02904	X23110396010
GKT02905	X23110397010
GKT02906	X23110398010
GKT02907	X23110621010
GKT02908	X23110622010
GKT02909	X23110623010
GKT02910	X23110624010
GKT02911	X23110625010
GKT02927	X23110640010
GKT02928	X23110641010
GKT02929	X23110642010
GKT02930	X23110643010
GKT02934	X23110644010
GKT02935	X23110645010
GKT02978	506714340100
GKT02979	506714350100
GKT02980	506714330100

MNEMONIC #	Major Component Part #
GKT02981	506714310100
GKT02982	506714320100
GKT03091	262341340100
GKT03128	262342700100
GKT03300	GKT03300
GKT03359	GKT03359
GKT03361	GKT03361
GKT03370	GKT03370
GKT03438	GKT03438
GKT03444	GKT03444
GKT03456	GKT03456
GKT03492	GKT03492
GKT03515	GKT03515
GKT03547	GKT03547
GKT03563	GKT03563
GKT03579	GKT03579
GKT03580	GKT03580
GKT03581	GKT03581
GKT03592	GKT03592
GKT03593	GKT03593
GKT03605	GKT03605
GKT03611	GKT03611
GKT03612	GKT03612
GKT03613	GKT03613
GKT03684	GKT03684
GKT03692	GKT03692