MATERIAL SAFETY DATA SHEET

DATE PREPARED: June 12, 2003 SUPERSEDES: 10/6/99

SECTION 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME *Style 9800*

PRODUCT CODES 39800 & 39806

COMPANY NAME GARLOCK An EnPro Industries Company SEALING TECHNOLOGIES

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

SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER	% WT. (Optional)
Kaolin	1332-58-7	
Graphite	7782-42-5	
Wollastonite	13983-17-0	
Titanium Dioxide	13463-67-7	<2
Carbon Black	1333-86-4	<1
Rock Wool (Mineral Wool)	287922-11-6	<10
Silica, Crystalline	14808-60-7	<1
Note: Styrene-butadiene elastomer is used as a binder for this product.	-----	

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Solid material.
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.

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS	IARC	OSHA	NTP
Titanium Dioxide (Identified as a potential carcinogen by NIOSH.)	No	No	No
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
Rock Wool – IARC, Group 3 (not classifiable as to its carcinogenicity to humans)	No	No	No

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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: No specific intervention is indicated, as product is not likely to be hazardous by ingestion. Consult a physician.

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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

Flash Point: Not Flammable **Method:** Not applicable
Upper Flammable Limit (UFL): Not Applicable
Lower Flammable Limit (LFL): Not Applicable
Autoignition Temperature: Not Applicable
Flammability Classification: Not Flammable

Hazardous Products of Combustion

Material will burn slowly if ignited or exposed to excessive heat. Smoke, gases (carbon monoxide and carbon dioxide), and fumes from the acrylonitrile-butadiene and styrene-butadiene elastomers; and organic fiber will be emitted during a fire. See section 10.

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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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 (29CRF 1910.134).

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SECTION 8 EXPOSURE CONTROLS (Continued from Page 4)

EXPOSURE GUIDELINES

Component	OSHA PEL (8 Hr. TWA)	ACGIH TLV (8 Hr. TWA)
Kaolin	10 mg/m^3 (total dust)	10 mg/m^3 (total dust)
Natural Graphite	2.5 mg/m^3 (respirable dust)	2.0 mg/m^3 (respirable dust)
Carbon Black	3.5 mg/m^3 (total dust)	3.5 mg/m^3 (total dust)
Rock Wool (Mineral Wool)	15 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)	10 mg/m^3 (total dust)
Wollastonite	15 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)	10 mg/m^3 (total dust)
Silica, Crystalline (Quartz)	10 mg/m^3/ %Si02 + 2 (resp) 30 mg/m^3/ %Si02 + 2 (total)	0.1 mg/m^3 (resp)
Titanium Dioxide	10 mg/m^3 (total dust)	10 mg/m^3 (total dust)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Sheet material or gaskets ; black in color.	**Boiling Point:**	Not Applicable
Odor:	Slight odor	**Freezing Point:**	Not Applicable
Physical State:	Solid	**Melting Point:**	
pH:	Not Applicable	**Solubility In Water:**	Not Soluble
Vapor Pressure:	Not Applicable	**Specific Gravity:**	Not Applicable
Vapor Density:	Not Applicable	**Reactivity with Water:**	Non Reactive

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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 strong oxidizing agents.

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. Possible decomposition products include carbon monoxide, carbon dioxide, and small amounts of nitrogen oxides, hydrogen cyanide, ammonia and aldehydes; along with aliphatic and aromatic hydrocarbons. 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-39800