

MATERIAL SAFETY DATA SHEET

DATE PREPARED: November 3, 2014

SUPERSEDES: October 7, 2011

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME *Style 3400*

PRODUCT CODES 39004 & 39014

PRODUCT DESCRIPTION Compressed Fiber Gasket Material

RECOMMENDED USE Gasket Material

RESTRICTION ON USE Maximum Service Temperature should not exceed 700°F

COMPANY NAME



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 a compressed non-asbestos gasketing material containing synthetic fibers; fillers, and elastomeric binders, predominantly Styrene - Butadiene (SBR).

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.

Classification of Substance or Mixture – OSHA HCS 2012

OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Safety Data Sheets do not apply to the product(s) described in this document. This product is excluded in the regulation as an Article.

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SECTION 2: HAZARD IDENTIFICATION (Continued from Page 1)

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS

- Silica, Crystalline: IARC Group 1-Sufficient evidence of carcinogenicity in humans, also identified by NTP as a carcinogen.
- Titanium Dioxide: Identified as a potential carcinogen by NIOSH.
- Carbon Black: IARC Group 2B - Possibly carcinogenic to humans.

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. Decomposition products should be considered as being toxic.

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.

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SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>% WT. (Optional)</u>
Kaolin	1332-58-7	
Poly-paraphenylene terephthalamide	26125-61-1	
Wollastonite	13983-17-0	
Titanium Dioxide	13463-67-7	<2
Carbon Black	1333-86-4	<1
Silica, Crystalline	14808-60-7	<1
Note: Styrene -butadiene and Isoprene elastomers are used as binders for this product.	-----	

SECTION 4: FIRST AID MEASURES

- Eyes:** Flush the eyes with water for at 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.
- 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

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, hydrocarbons and small amounts of hydrogen cyanide. 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.

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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.

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.

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (Continued from previous page)

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.
For protection against dust or vapors as a result of thermal decomposition wear a NIOSH approved respirator suitable for the anticipated airborne concentration.

EXPOSURE GUIDELINES

<u>Component</u>	<u>OSHA PEL (8 Hr. TWA)</u>	<u>ACGIH TLV (8 Hr. TWA)</u>
Kaolin	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)
Poly-paraphenylene terephthalamide	Not Established	Not Established
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 / %SiO ₂ + 2 (resp) 30 mg/m ³ / %SiO ₂ + 2 (total)	0.1 mg/m ³ (resp)
Carbon Black	3.5 mg/m ³ (total dust)	3.5 mg/m ³ (total dust)
Titanium Dioxide	10 mg/m ³ (total dust)	10 mg/m ³ (total dust)

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey / Black sheet material or gaskets	Boiling Point:	Not Applicable
Odor:	Slight Odor	Freezing Point:	Not Applicable
Physical State:	Solid	Melting Point:	Not Applicable
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

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 excessive temperature.

Materials to avoid: Strong Acids, alkali and 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, hydrocarbons and small amounts of hydrogen cyanide. 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.

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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

SECTION 15: REGULATORY INFORMATION

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

- Carbon Black * < 1.0 %
- Crystalline Silica < 1.0 %
- Toluene < 0.5 %

(*) The office of Environmental Health Hazard Assessment (OEHHA) of the California Environmental Protection Agency had added Carbon Black to the Proposition 65 Substance list which requires clear and reasonable warning for products that containing a chemical known by the state of California to cause cancer. This listing only pertains to airborne, unbound Carbon Black particles of respirable size. Exposure to Carbon Black does not occur when it remains bound within product matrix such as rubber, paint or ink.

WHMIS Status: Not Controlled

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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