

MATERIAL SAFETY DATA SHEET

DATE PREPARED: August 7, 2012

SUPERSEDES: : July 9, 2009

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME *Gylon® Style 3510*

PRODUCT CODES 35103 & 35100

COMPANY NAME

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

ADDRESS 1666 DIVISION STREET
PALMYRA, N.Y. 14522

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

EMERGENCY PHONE

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

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product consists of inorganic filler dispersed and encapsulated in a Polytetrafluoroethylene matrix.

Heating PTFE to temperatures in excess of 260° C can evolve toxic fluorine compounds. Additional information concerning PTFE is available in the "Guide to the Safe Handling of Fluoropolymer Resins" published by the Fluoropolymers Division of the Society of the Plastics Industry, Inc.

PRODUCT CONSTITUENTS LISTED AS CARCINOGENS

None

IARC

OSHA

NTP

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SECTION 2: HAZARDS IDENTIFICATION (Continued from Page 1)

POTENTIAL HEALTH EFFECTS

Primary Routes of Entry: Entry into the body is unlikely under normal conditions of use. Primary route of entry as a result of thermal or mechanical degradation is inhalation.

Acute Effects Of Overexposure: No effects due to exposure to the product are anticipated. If exposed to thermal decomposition products of the polytetrafluoroethylene, temporary symptoms of polymer fume fever (chills, fever, cough and malaise).

Chronic Effects Of Overexposure: There is no known chronic health effects connected with long term use or contact with this product.

Conditions Aggravated by Exposure: Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures from thermal decomposition products.

SECTION 3: COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>% WT. (Optional)</u>
Barium Sulfate	7727-43-7	
Polytetrafluoroethylene	9002-84-0	

SECTION 4: FIRST AID MEASURES

Eyes: Flush the eyes with water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Skin: The product is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation: No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult physician if symptoms persist.

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SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 530 – 550C (986-1022F)

Method: ASTM D1929

Upper Flammable Limit (UFL):

Not Applicable

Lower Flammable Limit (LFL):

Not Applicable

Autoignition Temperature: 520 –560 C (968-1040F)

Method: ASTM D1929

Limiting Oxygen Index (LOI): >95

Hazardous Products of Combustion

Composition of by-products from the result of a fire or thermal decomposition will vary depending on the specific conditions. Hazardous gases/vapors possibly evolved include smoke, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and 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 suitable gloves and clothing.

Extinguishing Media

Water, carbon dioxide, foam, or dry chemical. Be sure to use fire extinguisher appropriate to surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released or Spilled

No special actions are required for relatively large pieces or fragments. Prompt clean up is recommended. Personnel involved in the clean up should be wearing appropriate personal protective equipment as outlined in section 8. Material should be placed in DOT approved containers for disposal.

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SECTION 7: HANDLING AND STORAGE

Handling

Dust generated from this material must be managed by wet wiping or vacuuming with HEPA filtration equipped vacuum cleaners. Personnel involved with handling this product should be wearing appropriate personal protective equipment as outlined in section 8.

Work / Hygienic Practices

Personnel should avoid contaminating cigarettes or tobacco with particles of PFFE. Do not eat or smoke in areas of storage or processing.

Storage

Store in labeled closed containers and away from open flames & other sources of ignition. Do not store with or near incompatible materials cited in section 10.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls

Ventilation: 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. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer. Maintain and test ventilation systems in accordance with OSHA regulations (29CFR 1910.94).

Personal Protective Equipment

Eyes and Face: As generally good practice, safety glasses with side shields are recommended when handling this product to prevent eye contact with particulate matter.

Skin: As generally good practice, use of impervious gloves is recommended.

Respiratory:

Exposure levels that exceed PEL/TLV limits are unlikely. If exposures exceed the limits cited in this section by less than a factor of 10, use a NIOSH approved N95 respirator. If exposures exceed 10 times this limit, consult a professional industrial hygienist or your respiratory protective equipment supplier for selection of the proper equipment. The evaluation of the need for respiratory protection should be determined by a professional industrial hygienist.

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (Continued from page 4)

EXPOSURE GUIDELINES

<u>Component</u>	<u>(8 Hr. TWA)</u> <u>OSHA PEL</u>	<u>(8 Hr. TWA)</u> <u>ACGIH TLV</u>
Barium Sulfate	10.0 mg/m ³ (total dust) 5.0 mg/m ³ (respirable fraction)	10.0 mg/m ³ (total dust) 5.0 mg/m ³ (respirable fraction)
Polytetrafluoroethylene	None Established	None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Bone Colored sheet or gasket.	Boiling Point:	Not Applicable
Odor:	Odorless	Freezing Point:	Not Applicable
VOC Content:	Not Applicable	Melting Point:	Gel Point is approximately 327C (620-F)
pH:	Not Applicable	Solubility In Water:	Negligible
Vapor Pressure:	Not Applicable	Specific Gravity:	Approximately 2.95
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: Direct flame will ignite product.

Materials to avoid: Incompatible or can react with finely divided metal powders (e.g. aluminum and magnesium), molten alkali metals, and potent oxidizers like fluorine and related compounds like chlorine trifluoride. Contact with incompatibles can cause fire or explosion.

Hazardous Decomposition Products

Composition of by-products from the result of a fire or thermal decomposition will vary depending on the specific conditions. Hazardous gases/vapors possibly evolved include smoke, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and carbon monoxide. There may be others unknown to us.

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SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

Not Available

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 the following materials known to the state of California to cause cancer or reproductive effects:

- None

States such as Pennsylvania, New Jersey, Vermont, Massachusetts, and Rhode Island may also have specific requirements relative to component in this product; consult specific state regulatory requirements for additional information.

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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