

# SAFETY DATA SHEET

DATE PREPARED: June 23, 2014

SUPERSEDES: October 13, 2009

## SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME *Style 8921-K*

PRODUCT CODES 41310, 44306, 44307

PRODUCT DESCRIPTION Synthetic Fiber Braided Packing

RECOMMENDED USE Packing Material

RESTRICTION ON USE Maximum Service Temperature should not exceed 550°F

COMPANY NAME



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 is a Lattice® braided packing. The body of the packing is composed of proprietary yarns consisting of a glass filament core with a spun synthetic fiber jacket. The yarns are coated with Polytetrafluoroethylene (PTFE) Dispersion. The yarns in the corners consist of p-Aramid fibers impregnated with PTFE Dispersion and Silicone Oil. The final packing is impregnated with PTFE Dispersion and Petrolatum.

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..

Polydimethylsiloxane component may generate formaldehyde when heated above 150° C in air.

Excessive levels of some components can cause lung and respiratory tract disorders. Maintain dust concentrations at low levels.

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### **SECTION 2: HAZARDS IDENTIFICATION (Continued from Page 1)**

#### **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.

#### **PRODUCT CONSTITUENTS LISTED AS CARCINOGENS**

- Fiber Glass Continuous Filament: IARC Group 3 – Not classifiable with respect to human carcinogenicity.

#### **POTENTIAL HEALTH EFFECTS**

**Primary Routes of Entry:** Inhalation of dusts.  
Dermal and ocular contact.

**Acute Effects Of Overexposure:** High concentrations of dusts may be irritating to the eyes, skin, mucous membranes and respiratory tract. Skin contact may produce reddening of the skin and itching. If exposed to thermal decomposition products of the Polytetrafluoroethylene, temporary symptoms of polymer fume fever(chills, fever, cough and malaise).

**Chronic Effects Of Overexposure:** Respiratory and lung disorders can result by prolonged and repeated exposure to elevated dust levels.

**Conditions Aggravated by Exposure:** Respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening from exposure to this product.

### **SECTION 3: COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS**

<b><u>COMPONENT NAME</u></b>	<b><u>CAS NUMBER</u></b>	<b><u>% WT.</u></b>
Polytetrafluoroethylene	9002-84-0	< 30
Fibrous Glass	7440-66-6	< 10
Acrylonitrile-Vinyl Acetate Copolymer	24980-62-9	< 10
Poly-paraphenylene terephthalamide	26125-61-1	< 20
Petrolatum	8009-03-8	< 40
Polydimethylsiloxane	63148-62-9	< 5
Polyethylene glycol trimethylnonyl ether	60028-78-6	< 1
Tridecyl Alcohol Ethoxylate	24938-91-8	<1

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### **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:**

Wash contaminated skin thoroughly with soap or mild detergent. Get medical attention if irritation persists. Dermatitis should be treated symptomatically by a physician.

**Ingestion:**

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

**Inhalation:**

Dust:

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 Applicable

**Method:** Not Applicable

**Upper Flammable Limit (UFL):**

Not Applicable

**Lower Flammable Limit (LFL):**

Not Applicable

**Autoignition Temperature:**

Not Determined

### **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, acrylonitrile monomer, hydrogen cyanide, formaldehyde, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and carbon monoxide. There may be others unknown to us.

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### **SECTION 5: FIRE FIGHTING MEASURES (Continued From Page 3)**

#### **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.

### **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.

#### **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.

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### **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:** 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.

## **EXPOSURE GUIDELINES**

<b><u>Component</u></b>	<b><u>(8 Hr. TWA)</u></b> <b>OSHA PEL</b>	<b><u>(8 Hr. TWA)</u></b> <b>ACGIH TLV</b>
Fibrous Glass		
Nonrespirable fibers and Particulate	15.0 mg/m <sup>3</sup> (total dust)	5.0 mg/m <sup>3</sup> (respirable fraction)
Respirable Particulate	5.0 mg/m <sup>3</sup> (respirable dust)	3.0 mg/m <sup>3</sup> (PNOC)
Respirable particulate with fiber like dimensions (glass shards)	None Established	1 fiber/cc (respirable)
Acrylonitrile-Vinyl Acetate Copolymer	None Established	None Established
Poly-paraphenylene terephthalamide	None Established	None Established
Tridecyl Alcohol Ethoxylate	None Established	None Established
Petrolatum	5.0 mg/m <sup>3</sup> (oil mist)	5.0 mg/m <sup>3</sup> (oil mist)
Polytetrafluoroethylene	None Established	None Established
Polydimethylsiloxane	None Established	None Established

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Braided Packing. White with yellow corners.	<b>Boiling Point:</b>	Not Applicable
<b>Odor:</b>	Slight hydrocarbon odor	<b>Freezing Point:</b>	Not Applicable
<b>VOC Content:</b>	Not Applicable	<b>Melting Point:</b>	Not Applicable
<b>pH:</b>	Not Applicable	<b>Solubility In Water:</b>	< 5% by weight
<b>Vapor Pressure:</b>	Not Applicable	<b>Specific Gravity:</b>	Not determined
<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:** Direct flame will ignite product.

**Materials to avoid:** Strong oxidizing materials.

### 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, acrylonitrile monomer, hydrogen cyanide, formaldehyde, hydrogen fluoride, carbonyl fluoride, perfluorocarbon olefins and 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

No information available for 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**

D.O.T. Shipping Name: Not Regulated

#### **SECTION 15: REGULATORY INFORMATION**

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

- None Known

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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