



# SAFETY DATA SHEET

## FR 2.00 Polyester Fabric Reinforcer

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FR2.00 Polyester Fabric Reinforcer  
**CHEMICAL FAMILY NAME:** Mixture  
**U.N. NUMBER:** None  
**U.N. DANGEROUS GOODS CLASS:** Non-Regulated Material  
**SUPPLIER/MANUFACTURER'S NAME:** Progressive Materials, LLC  
**ADDRESS:** 540 Central Court, New Albany, IN 47150 USA  
**EMERGENCY PHONE:** TOLL-FREE in USA/Canada - Chemtrec 1-800-424-9300  
 National Poison Control Center (U.S.) 1-800-222-1222  
**BUSINESS PHONE:** 812-944-7803 (Product Information)  
**WEB SITE:** [www.pmsilicone.com](http://www.pmsilicone.com)  
**DATE OF CURRENT REVISION:** May 29, 2015  
**DATE OF LAST REVISION:** New

### SECTION 2 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**Product Description:** This product is a nonwoven fabric solid with no odor.  
**Health Hazards:** This product has no known adverse effects on human health when used as directed.  
**Flammability Hazards:** This product is non-flammable  
**Reactivity Hazards:** None known.  
**Environmental Hazards:** The environmental effects of this product have not been investigated; however it is not expected to cause adverse effects in the environment.  
**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Non-Regulated Material

Complies with WHMIS 2015

None

Signal Word: None!

#### GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does not meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

#### EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

None of the ingredients are classified in the Annex I of Directive 67/548/EEC

#### Component(s) Contributing to Classification(s)

All Ingredients

#### GHS Hazard Classification(s):

None known

#### Hazard Statement(s):

None Known

#### Precautionary Statement(s):

None known

#### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

**ACUTE:** This product has no known adverse health effects when used as directed.

**CHRONIC:** None known

**TARGET ORGANS:**

ACUTE: None

CHRONIC: None

### SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Non-woven Fabric	Not Assigned	Not Listed in ESIS	Not Listed	100%	HAZARD CLASSIFICATION: None RISK PHRASES: None



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INGREDIENTS	CAS#				HAZARD CLASSIFICATION; RISK PHRASES
Polyethylene Terephthalate	25038-59-9	Not Listed in ESIS	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Cellulose Regenerated	68442-85-3	Not Listed in ESIS	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Cellulose, Chemical Pulp	65996-61-4	265-995-8	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Polypropylene	9003-07-0	Not Listed in ESIS	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Polyethylene	9002-88-4	Not Listed in ESIS	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Polyethylene Terephthalate Copolymer	24938-04-3	Not Listed in ESIS	Not Listed	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Titanium Dioxide	13463-67-7	236-675-5	0338	Trade Secret	HAZARD CLASSIFICATION: Not Classified RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

**NOTE:** ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

### SECTION 4 - FIRST-AID MEASURES

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation develops.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

### SECTION 5 - FIRE-FIGHTING MEASURES

<b>FLASH POINT:</b>	Not Applicable		
<b>AUTOIGNITION TEMPERATURE:</b>	Not Applicable		
<b>FLAMMABLE LIMITS (in air by volume, %):</b>	<u>Lower</u>	Not Applicable	<u>Upper</u> Not Applicable
	<u>(LEL):</u>		<u>(UEL):</u>

**FIRE EXTINGUISHING MATERIALS:** Use extinguishing materials appropriate for surrounding fire

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

Explosion Sensitivity to Mechanical Impact: Not Sensitive.

Explosion Sensitivity to Static Discharge: Not Sensitive

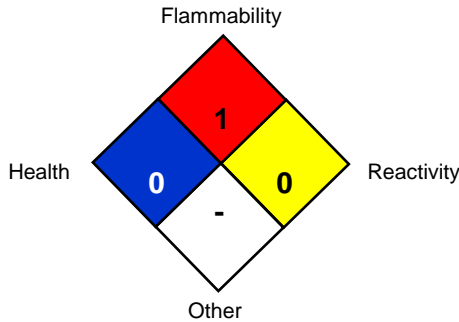
**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.



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### NFPA RATING SYSTEM



### HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			0
FLAMMABILITY HAZARD (RED)			1
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.

**SPILLS:** Sweep or pickup using non-dusting methods and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** Use good hygiene practices

**STORAGE AND HANDLING PRACTICES:** Store in dry location away from excessive heat.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

### EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Polypropylene	9003-07-0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Polyethylene	9002-88-4	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable.

If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Not required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.



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**BODY PROTECTION:** Not required when using this product. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Solid
<b>APPEARANCE &amp; ODOR:</b>	This product is a nonwoven fabric solid with no odor.
<b>ODOR THRESHOLD (PPM):</b>	Not Available
<b>VAPOR PRESSURE (mmHg):</b>	Not Applicable
<b>VAPOR DENSITY:</b>	Not Applicable
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Applicable
<b>BOILING POINT (C°):</b>	Not Applicable
<b>FREEZING POINT (C°):</b>	Not Applicable
<b>pH:</b>	Inert
<b>SPECIFIC GRAVITY 20°C: (WATER =1)</b>	Not Applicable
<b>SOLUBILITY IN WATER (%):</b>	Insoluble

### SECTION 10 - STABILITY and REACTIVITY

**STABILITY:** Product is stable

**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces noxious gases such as CO and CO<sub>2</sub>.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known

### SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data is not available for this product:

No LD50 Data Available

**SUSPECTED CANCER AGENT:** One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be, or suspected to be a cancer-causing agent by these agencies.

Titanium dioxide (13463-67-7)

ACGIH: A4 – Not classifiable as a Human Carcinogen

NIOSH: Potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin and eyes.

**SENSITIZATION OF PRODUCT:** This product is considered a skin sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No reported information concerning the effects of this product and its components on the human reproductive system.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** None known

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** None known

**ASPIRATION HAZARD:** None

### SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**ENVIRONMENTAL STABILITY:** No specific data is available for this product.

**EFFECT OF MATERIAL ON PLANTS or ANIMALS:** No specific data is currently available on this product's effects on plants or animals.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:** No specific data is currently available on this product's effects on aquatic life.



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## SECTION 13 - DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

**RCRA WASTE CODE:** None listed

**EU WASTE CODE:** Not Listed

## SECTION 14 - TRANSPORTATION INFORMATION

**US DOT; IATA; IMO; ADR:**

**THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Non-Regulated Material.

**HAZARD CLASS NUMBER and DESCRIPTION:** None

**UN IDENTIFICATION NUMBER:** None

**PACKING GROUP:** None

**DOT LABEL(S) REQUIRED:** None

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004):** None

**MARINE POLLUTANT:** This products ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:**

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

**PROPER SHIPPING NAME:** Non-Regulated Material.

**HAZARD CLASS NUMBER and DESCRIPTION:** None

**UN IDENTIFICATION NUMBER:** None

**PACKING GROUP:** None

**DOT LABEL(S) REQUIRED:** None

**INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:**

This product is not classified as Dangerous Goods by the International Maritime Organization.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):**

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.  
Harmonized Tariff Code Not Listed

## SECTION 15 - REGULATORY INFORMATION

### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:**

Acute Health: Yes      Chronic Health: No      Fire: No      Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** None of the ingredients are on the California Proposition 65 lists above the threshold levels.



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### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Complies with WHMIS 2015

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

#### **EU LABELING AND CLASSIFICATION:**

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed or exempt from listing on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or exempt from listing
Australian Inventory of Chemical Substances (AICS):	Listed or exempt from listing
Korean Existing Chemicals List (ECL):	Listed or exempt from listing
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or exempt from listing
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed or exempt from listing
Swiss Giftliste List of Toxic Substances:	Listed or exempt from listing
U.S. TSCA:	Listed

## **SECTION 16 - OTHER INFORMATION**

**PREPARED BY:** Paul Eigbrett

GHS MSDS Compliance PLUS [www.ghsmstdscomplianceplus.com](http://www.ghsmstdscomplianceplus.com)

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