

General Resource Technology  
 2978 Center Court  
 Eagan, MN 55121  
 (800) 324-8154A

**EMERGENCY**  
 After Hours Contact #  
 (612) 816-6401

**1. PRODUCT IDENTIFICATION**

Product Name: **Polymesh™** concrete reinforcement fiber  
 Chemical and Common Name: Polypropylene Homopolymer  
 Appearance and Color: Natural (White) Fiber; Odorless

**2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS**

As the Manufacturer interprets the U.S. Occupational Safety and Health Act Regulations, including the Hazard Communication Standard 29 CFR 1910.1200 dated 08-24-1987, this product should NOT be considered a hazardous material.

**3. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b>	N/A	<b>SOLUBILITY IN WATER:</b>	<b>NEGLIGIBLE</b>
<b>VAPOR PRESSURE @ 20C:</b>	N/A	<b>SPECIFIC GRAVITY:</b>	<b>0.88-0.92</b>
<b>VAPOR DENSITY:</b>	N/A	<b>PH:</b>	N/A
<b>% VOLATILE (VO.):</b>	< 0.4	<b>EVAPORATION RATE:</b>	N/A
<b>MELTING POINT:</b>	<b>ABOVE 160C (320F)</b>		

**FOOTNOTES**

**(1) EXPLANATION OF ACRONYMS:**

N/A = NOT APPLICABLE

The manufacturer has compiled the information and recommendations contained in this Material Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guarantee, or representation is made as to the correctness or sufficiency of the information. The user of this product must decide for itself what safety measures are necessary to safely use this product, either alone or in combination with other products.

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**4. FIRE, EXPLOSION, AND REACTIVITY HAZARD DATA**

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**FLASH POINT:** ABOVE 329C (624F) SETCHKIN

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURES:** ABOVE 357C (675F) SETCHKIN

**EXTINGUISHING MEDIA:** WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE, OR HALON

**SPECIAL FIRE FIGHTING PROCEDURES:**

Use standard procedures for Class A fires.

Use self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**STABILITY CONSIDERATIONS:** Stable

**INCOMPATIBILITY WITH:** Avoid contact with hot or concentrated nitric and perchloric acids, and fuming sulfuric acid at 60C (140F) or above.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Known

**HAZARDOUS PRODUCTS OF COMBUSTION:** Combustion products depend on temperature, other materials present and air supply. They can be carbon monoxide, carbon dioxide, acrolein, formaldehyde or other aldehydes, ketones, fatty acids, methane, ethane and unsaturated hydrocarbons. Carbon Monoxide is the most prominent.

**HAZARDOUS POLYMERIZATION:** Will Not Occur.

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**5. HEALTH HAZARD DATA**

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**SIGNS AND SYMPTOMS OF OVEREXPOSURE IN THE WORKPLACE:**

This product, as sold, is not hazardous (as defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200). There are no known or expected signs or symptoms of overexposure in the workplace under normal condition of use.

**EMERGENCY AND FIRST AID PROCEDURES:** None Are Necessary

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**MEDICAL CONDITIONS GENERALL RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:** None Known

**PRIMARY ROUTE OF EXPOSURE/ENTRY:** Skin contact (absorption not expected).

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**5. HEALTH HAZARD DATA (continued)**

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**CANCER INFORMATION:**

Not listed as carcinogen by NTP (National Toxicology Program); not regulated as a carcinogen by OSHA (Occupational Safety & Health Administration); not evaluated by IARC (International Agency for Research on Cancer).

**REPORTED HUMAN EFFECTS:**

The manufacturer has not received any reports of adverse effects from workers handling this product. The polymer, stabilizer system and fiber finishes used in these fibers have been tested in various combinations in several 50-person RIHPTs (Repeat Insult Human Patch Tests). In one of these tests, although no irritation was observed during induction phase of the study, a single subject exhibited a mild response (1+; mild erythema or reddening) to fiber Type-142 at the original and a virgin test site upon challenge application; this response was observed at both the 24 and 48 hour evaluations. This reaction was confirmed upon re-challenging the 48 hour evaluations. This reaction was confirmed upon re-challenging the subject 3 weeks later. The manufacturer has not yet received any reports of sensitization or irritation from customers' use of this type of fiber nor do we believe it presents a hazard to the user or final consumer.

**REPORTED ANIMAL EFFECTS:**

The manufacturer has not conducted any animal testing with these fibers.

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**6. SPILL PROCEDURES AND WASTE DISPOSAL**

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**SPILL PROCEDURES:**

If material is not contaminated, place into clean containers for use. If contaminated, place into containers for disposal.

**WASTE DISPOSAL METHOD:**

Landfilling in a licensed facility in accordance with local, state/provincial, and federal regulations is the recommended disposal method.

This product is not listed in federal hazardous waste regulation 40 CFR 261.33, paragraph E of F - i.e.: Chemical products that are not considered hazardous if they become wastes. It does not exhibit any of the characteristics listed in 40 CFR 261, Sub Part C. State or local hazardous waste regulations may apply if they are different from the federal regulation.

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## **7. APPLICABLE CONTROL MEASURES**

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### **APPROPRIATE HYGENIC PRACTICES:**

**Avoid breathing fiber and dust.**

**Wash thoroughly after handling, and before eating, drinking, or smoking.**

### **PERSONAL PROTECTIVE EQUIPMENT:**

**Safety glasses**

### **WORK PRACTICES:**

**Eyewash fountains and safety showers should be easily accessible.**

### **HANDLING AND STORAGE PRECAUTIONS:**

**Store in a warehouse equipped with sprinkler system . Keep temperature below 60C (140F) for quality control. This product may react with hot or concentrated nitric and perchloric acids, fuming sulfuric acid at 60C (140F) or above, and should not be stored near such materials.**

### **ENGINEERING CONTROLS:**

**Provide adequate ventilation.**

### **PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE:**

**Keep area clean. Product will burn.**

**END**