



# Safety Data Sheet

## Section 1 Product and Company Identification

**Product Names:** Durastran® Synthetic Macro Fiber; Durastran®4X Synthetic Macro Fiber

**Item #:** 41150015

**Contents:** A proprietary blend of polyethylene and polypropylene homopolymer

**Company Name:** Monahan Filaments, LLC  
d.b.a. **Monahan FiberWorx**  
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Arcola, IL 61910  
Tel: 217-268-4957  
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**SDS Date of preparation/revision:** October 20, 2023

**Emergency telephone number:** 1-800-222-1222

**24-hour emergency contact:** Poison control center

## Section 2 Hazards Identification

**Hazard Statements:** Not Classified

**GHS Classification:** Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Emergency overview:**

**Color:** Clear to opaque

**Physical State:** Filaments

**Odor:** Odorless

**Hazards of product:** Slipping Hazard

**Potential Physical/Chemical Effects**

Spilled filaments present a slipping hazard on hard surfaces. Material can accumulate static charges which may cause an ignition.

**Potential Health Effects**

Low order of toxicity. No adverse effects due to inhalation are expected. When heated, the vapors/fumes given off may cause respiratory tract irritation.



<b>NFPA Hazard ID:</b>	<b>Health-1</b>	<b>Flammability-1</b>	<b>Reactivity-0</b>
<b>HMIS Hazard ID:</b>	<b>Health- 1</b>	<b>Flammability-1</b>	<b>Reactivity-0</b>
<b>GHS Classification:</b>	<b>Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)</b>		

### **Section 3** **Composition/Information on Ingredients**

**Chemical Family:** Polyethylene/Polypropylene Homopolymer

**Reportable Components:**

**CAS Number: 9003-07-0**

Propylene, homopolymer >99% by weight

**CAS Number: Trade Secrets**

Proprietary Stabilizers <1% by weight

### **Section 4** **First Aid Measures**

**Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air. Seek medical attention if cough or other symptoms develop.

**Skin contact:** For hot product, immediately immerse in or flush the affected area with large amounts of cold water. Cover with clean cotton sheeting gauze and get prompt medical attention.

**Ingestion:** Not likely to be ingested in present form.

**Eye contact:** Not likely to be an eye hazard in present form.

### **Section 5** **Fire-fighting measures**

**Extinguishing media:** Water spray/mist, carbon dioxide, foam, water fog, dry chemicals. Note: Do NOT use straight streams of water as may cause fire to spread.

**Special fire-fighting procedures:** Use water spray to cool fire-exposed surfaces. Self-contained breathing apparatus when fighting fire with restricted ventilation.

**Unusual fire and explosion hazards:** Smoke and noxious gases (carbon monoxide, hydrocarbons, ammonia, hydrogen cyanide) evolved upon burning. Dust explosion hazard.



## **Section 6** **Accidental Release**

General procedure: Stop source of spill. Sweep up for immediate collection and disposal. If material enters a sewer or waterway, notify responsible authorities of presence of non-toxic plastic filaments. Avoid breathing dust.

## **Section 7** **Handling and Storage**

Use with adequate ventilation. Minimize dust generation. Store at ambient temperature. Keep container closed to avoid moisture absorption.

## **Section 8** **Exposure Control/Personal Protection**

Respiratory protection: If dust, smoke, or fumes are generated, wear NIOSH/MSHA approved respirator.

Ventilation: Not needed in open areas.

Protective gloves: Not needed under normal usage.

Eye protection: Safety glasses as required.

Work practices: Wash thoroughly after handling and before eating, drinking or using tobacco products.

## **Section 9** **Physical and Chemical Properties**

**Physical state:** Solid

**Form:** Filament

**Color:** Clear to opaque

**Odor:** None to mild

**Odor threshold:** N/D

**Flash point:** No test data available

**Flammable limits in air:** Lower- no test data available; Upper- no test data available

**Autoignition:** not applicable, no test data available

**Vapor pressure:** not applicable, no test data available

**Boiling point:** not applicable, no test data available

**Vapor Density (air=1):** not applicable, no test data available

**Specific Gravity (H2O=1):** insoluble

**Freezing point:** not applicable, no test data available

**Melting point:** 203-248 degrees Fahrenheit

**Hygroscopic:** no

## **Section 10** Stability and Reactivity

**Stability:** Material is stable under normal conditions.

**Conditions to avoid:** Avoid elevated temperatures for prolonged periods of time.

**Materials to avoid:** Not resistant to oxidizing agents, dissolves in organic solutions

**Hazardous decomposition products:** Styrene, carbon dioxide, carbon monoxide

**Hazardous polymerization:** Will not occur.

## **Section 11** Toxicological Information

**Acute toxicity:**

<b>Route of exposure</b>	<b>Conclusion/Remarks</b>
Inhalation	Minimally toxic. Based on chemical structure (polymers)
Ingestion	Minimally toxic. Based on chemical structure (polymers)
Skin	Minimally toxic. Based on chemical structure (polymers)
Eye	May cause mild, short-lasting discomfort to eyes. Based on chemical structure (polymers)
Chronic toxicity	Not applicable
Carcinogenic effect	Not expected to cause cancer. Based on chemical structure (polymers)
Mutagenic effect	Not considered to be a mutagenic
Reproductive toxicity	Not considered to be a reproductive hazard

## **Section 12** Ecological Information

Environmental data: Not expected to be a hazard to environment in present form.

Eco-toxicological data: May be harmful to wildlife if ingested

Ecological comments: Keep out of waterways.

## **Section 13** Disposal Considerations

Product disposal: Sweep up spilled material and place in suitable container for recycle or disposal.

Dispose of recovered materials according to current regulations.

General comments: It is recommended that all waste be analyzed for compliance to applicable laws and regulations governing.

## **Section 14**

## **Transport Information**

DOT:	Not regulated for transport
TDG (Canada):	Not regulated for transport
IMDG/IMO:	Not regulated for transport
ARD/RID:	Not regulated for transport
ICAO:	Not regulated for transport

## **Section 15**

## **Regulatory Information**

OSHA : no hazard warning necessary under OSHA criteria

SARA (313): This product does not contain toxic chemicals subject to the reporting requirements.

SARA (311/312): Fire Hazard

International Regulations: Canada- all components of this product are listed or exempted from DSL;  
Europe- Not known to contain substances of very high concern (SVHC) RoHS Compliant.

California Proposition 65: This product complies with California Proposition 65

WHMIS Ingredient Disclosure List (IDL): no components are listed in the WHMIS Ingredient Disclosure List.

WHMIS Classification: Workplace Hazardous Materials Information Systems (WHMIS): This product has been classified in accordance with Canadian Controlled Product Regulations (CPR) hazard criteria and this SDS contains complete CPR-required information. Not controlled under WHMIS (Canada).

TSCA: Substances in this product (chemicals) are listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption. U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory, 8(b).

## **Section 16**

## **Other information**

**N/D- not determined, N/A- not applicable**

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