



# SAFETY DATA SHEET

## FiberTite® FTR-601 ECO Part 1

Rev. Date: 15 Jul 2024

### SECTION 1. PRODUCT & COMPANY INFORMATION

**Product Name:** FiberTite® FTR-601 ECO Part 1

**Recommended Use:** Foamable adhesive

**Manufacturer:** SEAMAN CORPORATION  
1000 Venture Blvd.  
Wooster, OH 44691 USA  
PHONE: (330) 262-1111  
www.seamancorp.com

**24-HR EMERGENCY (Chemtrec)**  
**U.S./Canada: (800) 424-9300**  
**International: +1 703 527-3887**

### SECTION 2. HAZARDS IDENTIFICATION

#### Pictograms:



**Signal Word: DANGER**

#### GHS Classification:

Gases under pressure – Compressed gas  
Acute Toxicity - Inhalation - Category 4  
Skin Irritation – Category 2  
Eye Irritation – Category 2A  
Respiratory Sensitization - Category 1  
Skin Sensitization - Category 1  
Specific Target Organ Toxicity (Single Exposure) – Category 3 (Respiratory irritation)  
Specific Target Organ Toxicity (Repeated Exposure) – Category 2

#### Hazard Statements:

H280 Contains gas under pressure; may explode if heated.  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements:

P260 Do not breathe dusts or mists.

P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/eye protection/face protection.  
P284 In case of inadequate ventilation wear respiratory protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P314 Get medical advice/attention if you feel unwell.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Storage:**

P410 Protect from sunlight.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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<u>Components</u>	<u>CAS No.</u>	<u>% by weight</u>
Polymethylene polyphenyl isocyanate	9016-87-9	90-100
Trans-1-chloro-3,3,3-trifluoroprop-1-ene	102687-65-0	1-5

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**SECTION 4. FIRST AID MEASURES**

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**Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.  
**Skin Contact:** Wash exposed skin with soap and water. Do not use solvents or thinners. If irritation develops or persists, seek medical attention.  
**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.  
**Ingestion:** Rinse mouth thoroughly with water. Seek medical attention. Do not induce vomiting.

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**SECTION 5. FIRE FIGHTING MEASURES**

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**Flammable Properties:** No unusual fire or explosion hazards  
**Suitable Extinguishing Media:** alcohol resistant foam, CO2, powders, water spray  
**Products of Combustion:** May release toxic, irritating and/or corrosive gases. Carbon monoxide.  
**Protection of Firefighters:** Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear. No special procedures are expected to be necessary for this product.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions:** Use personal protection recommended in Section 8.  
**Environmental Precautions:** No special procedures necessary  
**Methods for Containment:** No special procedures necessary  
**Methods for Clean-up:** Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation.

**SECTION 7. HANDLING AND STORAGE**

**Handling:** Use protective equipment recommended in Section 8. Use only in well ventilated area. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid contact with water or moisture. Do not pierce or burn, even after use.

**Storage:** Keep container tightly closed and in a well ventilated area. Protect from sunlight and temperatures exceeding 120°F (50°C). Store away from incompatible materials (see Section 10). Do not re-seal contaminated product as a hazardous build-up of pressure may result from liberation of CO2 gas.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE GUIDELINES**

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
Trans-1-chloro-3,3,3-trifluoroprop-1-ene (102687-65-0)	-	-	-	800 ppm per US WEEL
Polymethylene polyphenyl isocyanate (9016-87-9)	-	-	-	None established

**PERSONAL PROTECTIVE EQUIPMENT**

**Engineering Controls:** Provide local exhaust ventilation  
**Eye/Face:** Wear safety glasses  
**Skin:** Wear chemical resistant protective gloves (Butyl rubber for up to 15 min exposure)  
**Respiratory:** If exposure limits are exceeded, NIOSH approved respiratory protection must be provided  
**General Hygiene:** Wash hands with soap and water after handling material.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> Dark amber liquid	<b>Odor:</b> aromatic
<b>Odor threshold:</b> Not available	<b>pH:</b> Not available
<b>Melting/Freezing Point:</b> Not available	<b>Boiling Point:</b> Not available
<b>Flash Point:</b> Not available	<b>Evaporation Rate:</b> Not available
<b>Flammability:</b> na	<b>LFL/UFL:</b> Not available
<b>Vapor Pressure:</b> Not determined	<b>Vapor Density:</b> Not available
<b>Relative Density:</b> 1.23	<b>Solubility:</b> Immiscible in water
<b>Partition Coefficient K<sub>ow</sub>:</b> Not available	<b>Auto-Ignition Temp.:</b> Not determined
<b>Decomposition Temp.:</b> Not applicable	<b>Viscosity:</b> Not determined

**SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at recommended storage and handling conditions  
**Conditions to Avoid:** Elevated temperatures, moisture  
**Incompatible Materials:** Strong oxidizing agents, strong acids, strong bases, alcohols, amines, water, brass, copper, tin, zinc, aluminum, galvanized metals  
**Hazardous Decomposition:** Carbon oxides, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, hydrocarbons  
**Hazardous Reactions:** Reacts with water and emits carbon dioxide gas.

**SECTION 11. TOXICOLOGY INFORMATION**

**POTENTIAL HEALTH EFFECTS:**

**Summary:** Causes skin, eye and respiratory tract irritation. May cause allergic respiratory and skin reactions. May polymerize.  
**Inhalation:** Causes respiratory tract irritation. May cause allergic respiratory reaction.  
**Skin Contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** Ingestion may cause vomiting, nausea, diarrhea, or other systemic effects.  
**Target Organs:** Respiratory system, eyes, skin, lungs

**ACUTE TOXICITY**

**General Information:** May cause allergic respiratory and skin reactions. May cause discomfort if swallowed. May cause skin and eye irritation. Acute toxicity estimate: 1.52 mg/l (4-hr dust/mist).

**Component Analysis:**  
Polymethylene polyphenyl isocyanate (9016-87-9):  
Inhalation LC50 (rat): 0.369 mg/L (4-hr dose)

**CARCINOGENICITY**

**General Information:** This product is not classified as a carcinogen or potential carcinogen by OSHA, NTP, ACGIH, or IARC. No specific data available.

**Component Analysis:** Polymethylene polyphenyl isocyanate (9016-87-9):  
IARC: 3 – Unclassifiable as to Carcinogenicity in Humans

**CHRONIC TOXICITY**

No data is available on mutagenicity, reproductive effects, or developmental effects.

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**SECTION 12. ECOLOGICAL INFORMATION**

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This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Do not empty into drains or waterways.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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Dispose of waste in accordance with Federal, State, and local environmental control regulations. This material may be classified as hazardous under the Resource Conservation and Recovery Act. (40 CFR 261)

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**SECTION 14. TRANSPORTATION INFORMATION**

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This product is hazardous for transportation.

Shipping Name: Chemical under pressure, n.o.s. (trans-1-chloro-3,3,3-trifluoroprop-1-ene)  
Class: 2.2      Packing Group: not assigned      **ID No.: UN3500**      ERG: 126

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**SECTION 15. REGULATORY INFORMATION**

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SARA Title III:                      Health:                      Acute YES                      Chronic YES                      EHS NO  
Physical:                      Fire NO                      Reactivity YES                      Pressure YES

SARA 313 (TRI):                      This product contains the following chemicals subject to reporting under Superfund Amendments Reauthorization Act, Title III, Section 313 (Toxic Release Inventory):  

<u>Component</u>	<u>% by weight</u>
Polymethylene polyphenyl isocyanate (see also Group N120 Diisocyanates)	90-100

California Proposition 65:                      None

**SECTION 16. OTHER INFORMATION**

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The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. No warranty of merchantability or any other warranty, expressed or implied, is given. In no case shall the information provided herein be considered a part of the terms and conditions of sale. Seaman Corporation assumes no obligation or liability for the information given or results obtained. All materials may present unknown hazards and should be used with caution. Final determination of suitability of any material is the sole responsibility of the user.

For questions related to the safety of this product, e-mail [msds@seamancorp.com](mailto:msds@seamancorp.com) or call (330) 262-1111

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*Innovative Customer Solutions through Fiber and Polymer Technology*

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