



# Safety Data Sheet

## SHELTER-RITE® TARP FABRICS

NOTE: This product meets the definition of "article" under the OSHA Hazard Communication Regulations in 29 CFR 1910.1200(c) and is exempt from the requirement to provide a Safety Data Sheet per 29 CFR 1910.1200(b)(6)(v). This Safety Data Sheet is provided on a voluntary basis to provide additional information to customers.

Rev. Date: 28 May 2024

### SECTION 1. IDENTIFICATION

**Product Name:** SHELTER-RITE® TARP FABRICS

**Trade Names:** Styles and coatings types as follows:  
**Styles: 21xx, 30xx, 3213, 35xx, 38xx** (xx=2-digit finished weight in oz/yd<sup>2</sup>)  
**Coatings: MFRLTC, MFRLTA, FRLTC, FRLTA, GALTC, UDHABC, MATTE**

**Recommended Use:** tarps and covers

**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

This material does not meet any hazard classification under the HCS.

Under normal use and handling, the product is not expected to create any physical or health hazards.

Excessive heating may result in the generation of smoke or fumes containing hydrogen chloride, carbon dioxide, carbon monoxide, and trace amounts of organic compounds due to decomposition of the components. These fumes may be irritating to respiratory tract and eyes.

Certain colors (see Section 3) may contain lead chromate based pigments. Recommend washing of hands after prolonged handling or wearing of appropriate gloves.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Exposure to individual components is not expected under normal conditions of use. Listing of major components and exposure limits are given for reference only.

#### Major Components

Nylon fabric (Styles 21, 30, 32) or Polyester fabric (Styles 35, 38)  
PVC Resin  
Alkyl phthalate plasticizers

#### CAS No.

Not applicable  
9002-86-2  
\*\*

#### Other Regulated Components

Folpet  
Diisodecyl phthalate (DIDP)  
Pigments (certain colors - see below)

133-07-3  
26761-40-0

#### % wt

<0.4%  
0-5%

**FRLTC/FRLTA Products only:**

Antimony Trioxide

1309-64-4

2-10%

\*\* Specific chemical identity is withheld as a trade secret under 29 CFR 1910.1200(i).

Where "CPSIA" appears in product description, product contains no components regulated under the U.S. Consumer Products Safety Improvement Act.

The following colors may also contain **Lead Chromate (CAS 7758-97-6)** as a color pigment:

|                 |                |                    |
|-----------------|----------------|--------------------|
| DC2 Red         | DC513 JD Green | DC934 Green        |
| DC24 Green      | DC516 Orange   | DC936 Philly Green |
| DC42 Yellow     | DC737 Yellow   | DC943 Yellow       |
| DC70 Orange     | DC843 Green    | DC983 Lt. Blue     |
| DC156 I. Orange | DC869 Yellow   | DC986 Navy         |
| DC245 Grape     | DC896 Gray     |                    |

---

#### **SECTION 4. FIRST AID MEASURES**

---

**Inhalation:** If exposed to fumes from overheating or combustion, move to fresh air. Seek medical attention if symptoms persist.

**Skin Contact:** Wash exposed skin with soap and water. 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:** Not applicable

---

#### **SECTION 5. FIRE FIGHTING MEASURES**

---

**Flammable Properties:** Material will burn if exposed to an external combustion source and yield hydrogen chloride, carbon monoxide, carbon dioxide, and small amounts of aliphatic and aromatic hydrocarbons.

**Suitable Extinguishing Media:** Water fog, CO<sub>2</sub>, foam or dry chemical (CAUTION: CO<sub>2</sub> will displace air in confined spaces and may cause an oxygen deficient atmosphere.)

**Products of Combustion:** Hydrogen chloride, carbon dioxide, carbon monoxide, trace amounts of aliphatic and aromatic organics

**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.

---

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

---

**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:** No special procedures necessary

---

#### **SECTION 7. HANDLING AND STORAGE**

---

**Handling:** Use protective equipment recommended in Section 8. Wash hands after repeated handling. When hot air or wedge welding, insure adequate local ventilation to prevent the buildup of fumes.

Unwinding, winding, and passage of the fabric through and over rollers can generate a strong electrostatic charge on the surface of the fabric. Static discharge devices should be used when handling in this way.

**Storage:** Rolled goods should be kept dry and protected from moisture.

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

**PERSONAL PROTECTIVE EQUIPMENT**

**Engineering Controls:** Provide local exhaust ventilation for any thermal processing operations.  
**Eye/Face:** Wear safety glasses during processing  
**Skin:** Wear general purpose gloves during prolonged handling  
**Respiratory:** Provide adequate local ventilation. If exposure limits are exceeded, NIOSH approved respiratory protection must be provided.  
**General Hygiene:** Wash hands with soap and water after handling material.

**EXPOSURE GUIDELINES**

| COMPONENT                         | OSHA (PEL)                        | ACGIH (TLV)   | NIOSH (REL)                     | COMMENTS   |
|-----------------------------------|-----------------------------------|---|---------------------------------|--|
| PVC Resin (9002-86-2)             | -                                 | -   | -                               | None established   |
| Diisodecyl phthalate (26761-40-0) | -                                 | -   | -                               | None established   |
| Folpet (133-07-3)                 | -                                 | -   | -                               | None established   |
| *Antimony Trioxide (1309-64-4)    | 0.5 mg/m <sup>3</sup> TWA as Sb   | 0.5 mg/m <sup>3</sup> TWA as Sb                               | 0.5 mg/m <sup>3</sup> TWA as Sb |  |
| **Lead chromate (7758-97-6)       | 0.005 mg/m <sup>3</sup> as Cr(VI) | 0.05 mg/m <sup>3</sup> as Pb<br>0.012 mg/m <sup>3</sup> as Cr | 0.0002 mg/m <sup>3</sup> as Cr  | OSHA and NIOSH see Chromium (VI) Compounds, inorganic, insoluble |

**NOTE:** Due to product form, exposure to dust or fume is not expected to occur; exposure limits are given for reference only.

\* Used only in FRLTC or FRLTA products

\*\* May be used only in those colors cited in Section 3

Potential byproducts from thermal processing/overheating:

|                               | OSHA (PEL)                              | ACGIH (TLV)                                | NIOSH (REL)   | COMMENTS                               |
|-------------------------------|---|--|---|--|
| Hydrogen Chloride (7647-01-0) | 5 ppm<br>(7 mg/m <sup>3</sup> ) Ceiling | 2 ppm<br>(2.98 mg/m <sup>3</sup> ) Ceiling | 5 ppm<br>(7 mg/m <sup>3</sup> ) Ceiling   | The odor threshold for HCl is 0.25 ppm |
| Carbon Monoxide (630-08-0)    | 50 ppm<br>(55 mg/m <sup>3</sup> ) TWA   | 25 ppm<br>(29 mg/m <sup>3</sup> ) TWA      | 35 ppm (40 mg/m <sup>3</sup> ) TWA;<br>200 ppm (229 mg/m <sup>3</sup> ) Ceiling |  |

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| <b>Appearance:</b> Polymeric sheeting           | <b>Odor:</b> Characteristic                |
| <b>Odor threshold:</b> NA                       | <b>pH:</b> NA                              |
| <b>Melting/Freezing Point:</b> NA               | <b>Boiling Point:</b> NA                   |
| <b>Flash Point:</b> NA                          | <b>Evaporation Rate:</b> NA                |
| <b>Flammability:</b> NA                         | <b>LFL/UFL:</b> NA                         |
| <b>Vapor Pressure:</b> NA                       | <b>Vapor Density:</b> NA                   |
| <b>Relative Density:</b> NA                     | <b>Solubility:</b> none                    |
| <b>Partition Coefficient K<sub>ow</sub>:</b> NA | <b>Auto-Ignition Temp.:</b> Not determined |
| <b>Decomposition Temp.:</b> Not determined      | <b>Viscosity:</b> NA                       |

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity:** Not reactive  
**Chemical Stability:** Stable at normal temperatures  
**Hazardous Reactions:** Will not occur  
**Conditions to Avoid:** Prolonged excessive heating

**Incompatible Materials:** None known.  
**Hazardous Decomposition:** Thermal decomposition products: Hydrogen chloride, carbon dioxide, carbon monoxide, trace amounts of aliphatic and aromatic organics

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

---

### **POTENTIAL HEALTH EFFECTS:**

**Summary:** Smoke generated from heating or burning the product is the primary health effect.  
**Inhalation:** Irritation of the upper respiratory tract may occur from fumes and smoke generated during heating  
**Skin Contact:** Prolonged handling may cause mechanical irritation  
**Eye Contact:** Fumes from heating may cause irritation, redness, and burning  
**Ingestion:** Not an expected route of entry  
**Target Organs:** Lungs/respiratory tract, eyes

### **ACUTE TOXICITY**

**General Information:** No data available for this product as a whole. Adverse health effects would not be anticipated with normal use. However, thermal processing can emit fumes which may cause eye and respiratory irritation.

**Component Analysis:** Due to the physical form of the product, exposure to the chemical components of the fabric and coating is not expected. Contact manufacturer (contact information in Section 16) to obtain detailed information regarding component toxicity.

### **CARCINOGENICITY**

**General Information:** This product has not been evaluated by OSHA, NTP, ACGIH, or IARC. No specific data available.

**Component Analysis:** PVC Resin (9002-86-2):  
IARC: Group 3 – Not Classifiable (Vol. 19, Suppl. 7, 1987)

Folpet (133-07-3):  
EPA: B2 – Probable Human Carcinogen (sufficient evidence from animal studies; inadequate evidence or no data from epidemiologic studies)

IF USED: Antimony Trioxide (1309-64-4):  
IARC: Group 2B – Possibly Carcinogenic to Humans (Vol. 47, 1989)  
ACGIH: A2 – Suspected Human Carcinogen

IF USED: Lead Chromate (7758-97-6):  
IARC: Group 1 – Carcinogenic to Humans (for Cr(VI) inhalation) (Vol. 49, 1990); Group 2A – Probably Carcinogenic to Humans (for Pb) (Vol. 87, 2006)  
ACGIH: A2 – Suspected human carcinogen  
NTP: Known Carcinogen (for Cr(VI))

### **CHRONIC TOXICITY**

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

---

## **SECTION 12. ECOLOGICAL INFORMATION**

---

No data is available on the adverse effects of this product on the environment. Toxicity is expected to be low based on insolubility in water.

---

## **SECTION 13. DISPOSAL CONSIDERATIONS**

---

Dispose of waste in accordance with Federal, State, and local environmental control regulations. This material is not hazardous in its manufactured form under the Resource Conservation and Recovery Act. (40 CFR 261)

---

## **SECTION 14. TRANSPORTATION INFORMATION**

---

This product is not classified as hazardous for transportation.

---

## SECTION 15. REGULATORY INFORMATION

---

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

SARA 313 (TRI): This product is considered an “article” under SARA Title III Section 313 and is not subject to reporting under normal conditions of use.

CPSIA: Where “CPSIA” appears in product description, product contains no components regulated under the U.S. Consumer Products Safety Improvement Act

California Proposition 65:

FOR LEAD CHROMATE COLORS LISTED IN SECTION 3 ONLY:



**WARNING:** This product can expose you to chemicals including lead chromate and folpet, which are known to the State of California to cause cancer, and lead chromate and diisodecyl phthalate, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

FOR FRLTC AND FRLTA PRODUCTS ONLY (COLORS NOT IN SECTION 3):



**WARNING:** This product can expose you to chemicals including antimony trioxide and folpet, which are known to the State of California to cause cancer, and diisodecyl phthalate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

FOR ALL OTHER PRODUCTS:



**WARNING:** This product can expose you folpet, which is known to the State of California to cause cancer, and diisodecyl phthalate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

---

## SECTION 16. OTHER INFORMATION

---

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.



*Innovative Customer Solutions through Fiber and Polymer Technology*

1000 VENTURE BLVD. ▪ WOOSTER, OHIO 44691  
PHONE: (330) 262-1111 ▪ FAX: (330) 263-6950 ▪ [www.seamancorp.com](http://www.seamancorp.com)