

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

Product: StormWrap  
 Chemical Family: Polyolefin and Polyester Material  
 Manufacturer Information: Fiberweb, Inc  
 70 Old Hickory Blvd.  
 Old Hickory, TN 37138  
 Company Contact: Rudy Herz  
 Telephone Number: 1-615-847-7007 (8am-5pm M-F Central Time)  
 Emergency Phone Contact: Chemtrec (24 Hours)  
 Emergency Phone Number: 1-800-424-9300

### Section 2 – Hazards Identification

#### Emergency Overview

Signs and symptoms of exposure: coughing or wheezing.

#### Route of Exposure-Skin

Possible mechanical irritation.

#### Route of Exposure-Eye

Not expected to be a problem being that this product is an inert solid.

#### Route of Exposure -Ingestion

Not Applicable

#### Route of Exposure-Inhalation

Not expected to be a problem being that this product is an inert solid.

#### HMIS Ratings

Health: 0 Fire: 1 Reactivity: 0 Personal Protection: A

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

### Section 3 - Composition

| <u>CAS #</u>                 | <u>Component</u>                     | <u>Percent</u> |
|------------------------------|--------------------------------------|----------------|
| 9003-07-0                    | Polypropylene                        | >15%           |
| 1317-65-3 in Polyolefin Film | CaCO <sub>3</sub> in Polyolefin Film | <10%           |
| Mixture                      | UV Stabilizer                        | <1%            |
| Mixture                      | Pigment Masterbatch*                 | <1%            |
| Mixture                      | Polyester Scrim**                    | >73%           |

\*Contains Carbon Black (CAS 1333-86-4): <10%

\*\*Contains Fiber Glass: <25%; Decabromodiphenyl Oxide: < 5%; Flame Retardant Component: < 4%

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

### **First Aid-Skin**

Wash affected area with soap and water.

### **First Aid-Eye**

Rinse eyes with water for at least 15 minutes. If irritation persists, contact a physician.

### **First Aid-Ingestion**

Minimal toxicity; no adverse effects expected.

### **First Aid-Inhalation**

Not expected to be a problem being that this product is an inert solid.

### **First Aid-Notes to Physician**

No health conditions aggravated by exposure are identified. Contact the poison control center if any problem occurs.

## **Section 5 - Fire Fighting Measures**

**Flash Point:** Not Applicable

**Method Used:** Not Applicable

**Auto Ignition:** Not Applicable

**Flammability Classification:** Not Applicable

**Lower Explosive Limit (%)**: Not Applicable

**Upper Explosive Limit (%)**: Not Applicable

### **General Fire Hazards**

Solid material may burn upon extended exposure to open flames.

### **Hazardous Combustion Products**

Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

### **Extinguishing Media**

Water spray, foam, carbon dioxide, or dry chemical

### **Fire Fighting Equipment/Instructions**

As in any fire, wear a self-contained breathing apparatus and full protective gear.

### **NFPA Ratings**

Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

## **Section 6 - Accidental Release Measures**

### **Containment Procedures**

Sweep waste fabric into a pile.

### **Clean -Up Procedures**

Sweep waste fabric into a waste container and recycle, incinerate or landfill in conformity with local disposal regulations.

### **Evacuation Procedures**

Not Applicable

### **Special Procedures**

None

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

### **Handling Procedures**

Avoid exposure to heat, sparks or open flames.

### Storage Procedures

Store material in cool (below 140°F) warehouse that is equipped with a sprinkler system.  
Ensure product is not stacked too high.  
Store product off the floor to prevent water damage.

## Section 8 - Exposure Controls/Personal Protection

### Component Exposure Limits

| Component  | CAS                                  | Exposure Limits   |
|--|--------------------------------------|---|
| Polypropylene                                      | 9003-07-0                            | ACGIH TLV-TWA: None Available<br>OSHA PEL: None Available   |
| CaCO <sub>3</sub> in Polyolefin Film UV Stabilizer | 1317-65-3 in Polyolefin Film Mixture | ACGIH: 10 mg/m <sup>3</sup> , 8 hour TWA total dust in air<br>OSHA: None available  |
| Pigment Masterbatch*                               | Mixture                              | ACGIH TLV-TWA: None Available<br>OSHA PEL: None Available   |
| Polyester Scrim**                                  | Mixture                              | ACGIH TLV-TWA: 3.5mg/m <sup>3</sup> Total/Nuisance Dust<br>OSHA PEL: 3.5mg/m <sup>3</sup> Total Dust<br>ACGIH TLV: 10mg/m <sup>3</sup> (PNOC)<br>OSHA PEL: 15mg/m <sup>3</sup> (PNOR) |

\*Based on Carbon Black (CAS # 1333-86-4)

\*\*Based on Decabromodiphenyl Oxide

### Engineering Controls

Normal room ventilation is usually adequate.

### Personal Protective Equipment

#### Personal Protective Equipment-Eyes/Face

None usually required

#### Personal Protective Equipment-Skin

None usually required

#### Personal Protective Equipment-Respiratory

None usually required

#### Personal Protective Equipment-General

Follow individual plant safety rules.

## Section 9 - Physical & Chemical Properties

|                                     |   |                           |                      |
|-------------------------------------|---|---------------------------|----------------------|
| <b>Appearance:</b>                  | Black Fabric with a Clear Polyolefin Film and a Polyester/Glass Scrim | <b>Odor:</b>              | Essentially Odorless |
| <b>Physical State:</b>              | Solid   | <b>pH:</b>                | Not Applicable       |
| <b>Vapor Pressure:</b>              | NIL   | <b>Evaporation Rate:</b>  | Not Applicable       |
| <b>Boiling Point:</b>               | Not Applicable  | <b>Melting Point:</b>     | Not Applicable       |
| <b>Solubility (H<sub>2</sub>O):</b> | Negligible  | <b>Specific Gravity:</b>  | Not Applicable       |
| <b>Vapor Density:</b>               | Not Applicable  | <b>Percent Volatiles:</b> | NIL                  |
| <b>Packing Density:</b>             | Not Applicable  |                           |                      |

## Section 10 - Chemical Stability & Reactivity Information

### Chemical Stability

Stable under ordinary conditions of use and storage.

**Conditions to Avoid**

Combustible when exposed to open flames. Avoid chlorine, fluorine, and other strong oxidizers.

**Incompatibility**

None Known

**Hazardous Decomposition**

Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbon may be emitted upon decomposition.

**Hazardous Polymerization**

Will not occur.

**Section 11 - Toxicological Information**

**Acute and Chronic Toxicity**

**General Product Information**

No components of this product are known to be hazardous according to the criteria specified in 29CFR1910.1200 (Hazard Communication Standard).

**Component Analysis**

| Component                            | CAS                          | LD50/LC50  |
|--------------------------------------|------------------------------|--|
| Polypropylene                        | 9003-07-0                    | <u>Rat</u> ;<br><u>LD 50</u> ; <u>Route</u> : Intraperitoneal; <u>Dose</u> : >110mg/kg; <u>Toxic Effects</u> : lacrimation; Sense organs and special senses-ptosis; Behavioral-convulsions or effect on seizure threshold;<br><u>Reference</u> : Yakuri to Chiryō. Pharmacology and Therapeutics 14:1109, 1986<br><u>LD50</u> ; <u>Route</u> : Intravenous; <u>Dose</u> : >99mg/kg; <u>Toxic Effects</u> : Behavioral- tremor; Lungs, Thorax, or Respiration-cyanosis; Nutritional and Gross Metabolic-body temperature decrease;<br><u>Reference</u> : Yakuri to Chiryō. Pharmacology and Therapeutics 14:1109, 1986. |
| CaCO <sub>3</sub> in Polyolefin Film | 1317-65-3 in Polyolefin Film | Oral, rat LD50 = 6450 mg/kg<br>Draize test, rabbit, eye 750 ug/24H<br>Draize test, rabbit, skin 500 ug/24H   |

**Carcinogenicity**

**General Product Information**

Carbon black has been evaluated by IARC as possibly carcinogenic to humans (Group 2B). NIOSH recommends that only carbon black with PAH>.1% be suspected carcinogens. The ACGIH classifies carbon black as A4, Not Classifiable as Human Carcinogen.

**Epidemiology**

No information available.

**Neurotoxicity**

No information available.

**Mutagenicity**

No information available.

**Teratogenicity**

No information available.

**Other Toxicological Information**

Specific toxicity testing has not been performed on this product. Hazard evaluation is based on information from similar products, raw material data, and technical literature.

## **Section 12 - Ecological Information**

### **Ecotoxicity**

#### **General product Information**

Considered inert to the environment.

#### **Environmental Fate**

No available information.

## **Section 13 - Disposal Considerations**

### **US EPA Waste Number & Descriptions**

#### **General Product Information**

None identified.

#### **Component Waste Numbers**

No EPA Waste Numbers are applicable for this product's components

### **Disposal Instructions**

Dispose of container and unused contents in accordance with federal, state and local requirements.

Processing, use or contamination of this product may change the waste management options.

## **Section 14 - Transportation Information**

### **Transportation Regulations**

Product is not regulated for transportation.

## **Section 15 - Regulatory Information**

### **US Federal Regulations**

#### **General Product Information**

No additional information.

#### **Component Analysis-Federal**

| Component                               | CAS #                           | SARA 302<br>(40CFR355 Appx A) | SARA 313<br>(40CFR372.65) | CERCLA<br>(40CFR302.4) |
|---|---------------------------------|-------------------------------|---------------------------|------------------------|
| Polypropylene                           | 9003-07-0                       | No                            | No                        | No                     |
| CaCO <sub>3</sub> in Polyolefin<br>Film | 1317-65-3 in Polyolefin<br>Film | No                            | No                        | No                     |
| UV Stabilizer                           | Mixture                         | No                            | No                        | No                     |
| Pigment Masterbatch                     | Mixture                         | No                            | No                        | No                     |
| Polyester Scrim                         | Mixture                         | UK                            | UK                        | UK                     |

UK=Unknown

**State Regulations**

**General Product Information**

Other state regulations may apply. Check individual state requirements.

**Component Analysis-State**

The following components appear on one or more of the following state hazardous substances list:

| Component                            | CAS                          | CA  | FL | MA  | MN  | NJ  | PA  |
|--------------------------------------|------------------------------|-----|----|-----|-----|-----|-----|
| Polypropylene                        | 9003-07-0                    | No  | No | No  | No  | No  | No  |
| CaCO <sub>3</sub> in Polyolefin Film | 1317-65-3 in Polyolefin Film | No  | No | Yes | Yes | No  | Yes |
| UV Stabilizer                        | Mixture                      | UK  | UK | UK  | UK  | UK  | UK  |
| Pigment Masterbatch*                 | Mixture                      | Yes | No | Yes | Yes | Yes | Yes |
| Polyester Scrim                      | Mixture                      | UK  | UK | UK  | UK  | UK  | UK  |

\*Based on Carbon Black (CAS # 1333-86-4)

UK = Unknown

**Component Analysis-WHMIS IDL**

The following components are knowingly identified under the Canadian Hazardous Products Act Ingredient Disclosure List.

| Component            | CAS     | Minimum Concentration |
|----------------------|---------|-----------------------|
| Pigment Masterbatch* | Mixture | 1%                    |

\*Based on Carbon Black (CAS # 1333-86-4)

**Additional Regulatory Information**

**Component Analysis-Inventory**

| Component                            | CAS                          | TSCA | DSL/NDSL | EINECS          |
|--------------------------------------|------------------------------|------|----------|-----------------|
| Polypropylene                        | 9003-07-0                    | Yes  | Yes      | Yes (6-402)     |
| CaCO <sub>3</sub> in Polyolefin Film | 1317-65-3 in Polyolefin Film | Yes  | Yes      | Yes (215-279-6) |
| UV Stabilizer                        | Mixture                      | Yes  | Yes      | Yes             |
| Pigment Masterbatch                  | Mixture                      | Yes  | Yes      | Yes             |
| Polyester Scrim                      | Mixture                      | UK   | UK       | UK              |

UK=Unknown

## **Section 16 - Other Information**

### **Other Information**

Material for this MSDS was taken from MSDS's for raw materials

### **MSDS History**

Updated formatting 6/22/07; Change contact name 8/13/07

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