



## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

Product:	Typar
Chemical Family:	Thermoplastic Polyolefin
Manufacturer Information:	Fiberweb, Inc 70 Old Hickory Blvd. Old Hickory, TN 37138
Company Contact:	Jim Reynolds
Telephone Number:	615-847-7501
Emergency Phone Contact:	Chemtrec (24 Hours)
Emergency Phone Number:	1-800-424-9300

### Section 2 – Hazards Identification

#### Emergency Overview

None of the components in this material are considered hazardous.

#### 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

CAS #	Component	Percent
9003-07-0	Polypropylene	>99%
Mixture	Pigment Masterbatch*	<1%

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

**Component Information:** This product is not hazardous according to the criteria specified in 29CFR 1910.1200 (Hazard Communication Standard). This product is considered an article and does not require an MSDS.

## 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

Not Applicable

### First Aid-Inhalation

Not Applicable

### 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:** >329C( 625F)

**Method Used:** Not Applicable

**Auto Ignition:** >357C( 675F)

**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 140F) 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 OSHA PEL: None Available
Pigment Masterbatch*	Mixture	ACGIH TLV-TWA: 3.5mg/m <sup>3</sup> Total/Nuisance Dust OSHA PEL: 3.5mg/m <sup>3</sup> Total Dust
*Based on Carbon Black (CAS # 1333-86-4)		

#### **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**

**Appearance:** Gray Fabric

**Physical State:** Solid

**Vapor Pressure:** NIL

**Boiling Point:** Not Applicable

**Odor:** Essentially Odorless

**pH:** Not Applicable

**Evaporation Rate:** Not Applicable

**Melting Point:** >140C

**Solubility (H<sub>2</sub>O):** Negligible  
**Vapor Density:** Not Applicable  
**Packing Density:** Not Applicable

**Specific Gravity:** 0.88-0.99  
**Percent Volatiles:** NIL

## 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	Rat; LD 50; Route: Intraperitoneal; Dose: >110mg/kg; Toxic Effects: lacrimation; Sense organs and special senses-ptosis; Behavioral convulsions or effect on seizure threshold; Reference: Yakuri to Chiryō. Pharmacology and Therapeutics 14:1109, 1986 LD50; Route: Intravenous; Dose: >99mg/kg; Toxic Effects: Behavioral tremor; Lungs, Thorax, or Respiration-cyanosis; Nutritional and Gross Metabolic-body temperature decrease; Reference: Yakuri to Chiryō. Pharmacology and Therapeutics 14:1109, 1986.

### 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**

No available information.

**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 (40CFR355 AppA)	SARA 313 (40CFR372.65)	CERCLA (40CFR302.4)
Polypropylene	9003-07-0	No	No	No
Pigment Masterbatch	Mixture	No	No	No

**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
Pigment Masterbatch*	Mixture	Yes	No	Yes	Yes	Yes	Yes

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

**Component Analysis-WHMIS IDL**

The following components are 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)
Pigment Masterbatch	Mixture	Yes	Yes	Yes

**Section 16 - Other Information****Other Information**

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

**MSDS History**

Format revised 10/03; Typographical errors corrected 1/11/05; Corrections made to Section 9 2/28/05;

Updated contact information 8/29/05; Updated information and changed name 12/1/06;  
Updated information 3/23/07; Updated formatting 6/22/07; Change contact name 8/13/07

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

The information in this document is believed to be correct as of the date issued.

HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and the product are furnished on the condition that the person receiving them shall make his or her own determination as to the suitability of the product for his particular purpose and on the condition that they assume the risk of his use thereof.

THIS PRODUCT IS CONSIDERED AN ARTICLE AND DOES NOT REQUIRE A MATERIAL SAFETY DATA SHEET (MSDS).

APPROVED BY: MICHAEL THOMASON