



## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

Product: 3234A – Typar Housewrap  
Chemical Family: Thermoplastic Polyolefin  
Manufacturer Information: BBA Fiberweb  
70 Old Hickory Blvd.  
Old Hickory, TN 37138  
Company Contact: David Midget  
Telephone Number: 1-800-284-2780 (M-F 8am-5pm Central Time)  
Emergency Phone Contact: Chemtrec (24 Hours)  
Emergency Phone Number: 1-800-424-9300

### Section 2 - Composition

<u>CAS #</u>	<u>Component</u>	<u>Percent</u>
9003-07-0	Polypropylene	>60%
1317-65-3 in Polyolefin	CaCO <sub>3</sub> in Polyolefin	<40%
13463-67-7	Titanium dioxide	< 1%

**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 3 – 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 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:** 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: None Available OSHA: None Available
CaCO <sub>3</sub>	1317-65-3	ACGIH: 10 mg/m <sup>3</sup> , 8 hour TWA total dust in air OSHA: None available
Titanium dioxide	13463-67-7	ACGIH: 10 mg/m <sup>3</sup> , 8 hour TWA total dust in air OSHA: 15 mg/m <sup>3</sup> , 8 hour TWA total dust in air

### **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>	Fabric	<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>	>120°C
<b>Solubility (H<sub>2</sub>O):</b>	Negligible	<b>Specific Gravity:</b>	0.9 - 0.99
<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.

**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> ; <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; <u>Reference</u> : Yakuri to Chiryo. Pharmacology and Therapeutics 14:1109, 1986 <u>LD50</u> ; <u>Route</u> : Intravenous; <u>Dose</u> : >99kg/mg; <u>Toxic Effects</u> : Behavioral-tremor; Lungs, Thorax, or Respiration-cyanosis; Nutritional and Gross Metabolic-body temperature decrease; <u>Reference</u> : Yakuri to Chiryo. Pharmacology and Therapeutics 14:1109, 1986.
CaCO <sub>3</sub>	1317-65-3	Oral, rat LD50 = 6450 mg/kg Draize test, rabbit, eye 750 ug/24H Draize test, rabbit, skin 500 ug/24H

**Carcinogenicity**

**General Product Information**

Product is considered non-hazardous.

**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**

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

Component	CAS #	SARA 302 (40CFR355 Appx A)	SARA 313 (40CFR372.65)	CERCLA (40CFR302.4)
Polypropylene	9003-07-0	No	No	No
CaCO <sub>3</sub>	1317-65-3	No	No	No
Titanium dioxide	13463-67-7	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
CaCO <sub>3</sub>	1317-65-3	No	No	No	No	No	No
Titanium dioxide	13463-67-7	No	No	Yes	No	No	No

**Component Analysis-WHMIS IDL**

No components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List.

**Additional Regulatory Information**

**Component Analysis-Inventory**

Component	CAS	TSCA	DSL	EINECS
Polypropylene	9003-07-0	Yes	Yes	Yes (6-402)
CaCO <sub>3</sub>	1317-65-3	Yes	Yes	Yes(215-279-6)
Titanium dioxide	13463-67-7	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; Contact information updated 9/7/05

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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