



(Material) Safety Data Sheet

Section 1 - Product and Company Identification

- Material Name** ▪ **CertaWrap Weather Resistant Barrier**
- Product Code** ▪ CT-10162; CW008
- Product Use** ▪ CertaWrap Weather Resistant Barrier is applied over sheathing and provides an added layer of protection against air and moisture damage.
- Synonyms** ▪ Housewrap; Thermoplastic Polyolefin
- Manufacturer** ▪ CertainTeed Corporation
750 E. Swedesford Road
P.O. Box 860 Valley Forge, PA 19482-0105
United States
www.certainteed.com
CertainTeed-EHS@saint-gobain.com
- Telephone**
- Technical** ▪ (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)
- Emergency** ▪ (800) 424-9300 - Chemtrec
- Emergency** ▪ (703) 527-3887 - Outside of the U.S. Chemtrec
- Preparation Date** ▪ 07/19/2010
- Last Revision Date** ▪ 07/19/2010

Key to abbreviations
‡ = HMIS is a registered trademark of the American Coatings Association

Section 2 - Hazards Identification

Emergency Overview

This material is an article. Under normal conditions of use this material is not expected to pose any physical hazards or health risks. The component exposure limits and other information in this document are provided for circumstances such as heating, burning, cutting, sanding and/or grinding when there is a potential for exposure to these components.

- Physical Form** ▪ Solid
- Color** ▪ White
- Odor** ▪ Odorless
- OSHA** ▪ None
- WHMIS** ▪ None
- GHS** ▪ None
- Route Of Entry** ▪ Skin

Potential Health Effects

- Inhalation**
- Acute (Immediate)** ▪ Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** ▪ Under normal conditions of use, no health effects are expected.

Skin**Acute (Immediate)**

- Mechanical irritation of the skin may occur.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Eye**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Ingestion**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Carcinogenic Effects

- When used under normal conditions, this product is not considered a carcinogen. This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint." This material contains titanium oxide. The International Agency for Research on Cancer (IARC) lists titanium dioxide as having inadequate evidence for carcinogenicity in humans.

Carcinogenic Effects			
	CAS	IARC	NTP
Titanium oxide	13463-67-7	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen	Not established

Potential Environmental Effects

- This material is considered inert to the environment. No environmental effects expected.

Section 3 - Composition/Information on Ingredients

Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
1-Propene, homopolymer	9003-07-0	> 60%	NDA	orl-rat LD50:>8 gm/kg	NDA	NDA
Pigment Masterbatch	NDA	< 2%	NDA	NDA	NDA	NDA
Non-Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Calcium Carbonate in Polyolefin Film	NDA	< 40%	NDA	NDA	NDA	1317-65-3 in Polyolefin Film
UV Stabilizer	NDA	< 3%	NDA	NDA	NDA	NDA

Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use. Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use. Under United Nations Globally Harmonized System for the Classification and Labeling of Hazardous Chemicals (GHS) this product is exempt from regulation as a manufactured article.

Section 4 - First Aid Measures**Inhalation**

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. If signs/symptoms continue, get medical attention.

- Skin**
 - First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.
- Eye**
 - First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.
- Ingestion**
 - First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

Section 5 - Fire Fighting Measures

- Extinguishing Media**
 - Water spray, carbon dioxide, foam or dry chemical.
- Unsuitable Extinguishing Media**
 - None known.
- Firefighting Procedures**
 - Not applicable.
- Unusual Fire and Explosion Hazards**
 - Solid material may burn upon extended exposure to open flames.
- Hazardous Combustion Products**
 - Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons may be emitted upon decomposition.
- Protection of Firefighters**
 - Wear positive pressure self-contained breathing apparatus (SCBA). Wear full structural fire fighting protective clothing.
- Autoignition Temperature**
 - 735 F(390.5556 C)

Section 6 - Accidental Release Measures



- Personal Precautions**
 - Not applicable.
- Emergency Procedures**
 - Not applicable.
- Environmental Precautions**
 - Not applicable.
- Containment/Clean-up Measures**
 - Sweep up waste fabric into a waste container and recycle, incinerate or take to landfill in conformity with local disposal regulations.
- Prohibited Materials**
 - No data available

Section 7 - Handling and Storage

- Handling**
 - Keep away from heat, sparks, and flame.
- Storage**
 - Store material in a cool (below 140 F) warehouse equipped with a sprinkler system. Ensure product is not stacked too high. Store product off the floor to prevent water damage.
- Special Packaging Materials**
 - No data available
- Incompatible Materials or Ignition Sources**
 - No data available

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

- Pictograms**
 -  
- Respiratory**
 - Under normal conditions of use no special protection is required.
- Eye/Face**
 - Wear safety glasses.
- Hands**
 - If skin irritation occurs as a result of handling wear protective clothing to avoid future irritation.
- Engineering Measures/Controls**
 - Under normal conditions of use, special ventilation is not required.

Exposure Limits/Guidelines						
	Result	ACGIH	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
Titanium oxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)	10 mg/m3 TWA	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3.5 mg/m3 TWA
	STELs	Not established	Not established	Not established	Not established	7 mg/m3 STEL

Exposure Limits/Guidelines (Con't.)						
	Result	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec	Canada Yukon
Titanium oxide (13463-67-7)	TWAs	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	10 mg/m3 TWAEV (total dust)	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	30 mppcf TWA; 10 mg/m3 TWA
	STELs	Not established	Not established	Not established	Not established	20 mg/m3 STEL
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3.5 mg/m3 TWAEV	3.5 mg/m3 TWAEV	3.5 mg/m3 TWA
	STELs	Not established	7 mg/m3 STEL	Not established	Not established	7 mg/m3 STEL

Exposure Limits/Guidelines (Con't.)			
	Result	NIOSH	OSHA
Titanium oxide (13463-67-7)	TWAs	Not established	15 mg/m3 TWA (total dust)
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (carbon black in presence of polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m3 TWA

Exposure Control Notations

Canada British Columbia

- Carbon Black (1333-86-4): **Carcinogens:** (IARC Category 2B - Possible Human Carcinogen) | **Designated Substances:** (IARC Category 2B - Possible Human Carcinogen)
- Titanium oxide (13463-67-7): **Carcinogens:** (IARC Category 2B - Possible Human Carcinogen) | **Designated Substances:** (IARC Category 2B - Possible Human Carcinogen)

Canada Manitoba

- Carbon Black (1333-86-4): **Carcinogens:** (A4 Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7): **Carcinogens:** (A4 Not Classifiable as a Human Carcinogen)

Canada New Brunswick

- Carbon Black (1333-86-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Canada Nova Scotia

- Carbon Black (1333-86-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

ACGIH

- Carbon Black (1333-86-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Exposure Limits Supplemental

ACGIH

- Carbon Black (1333-86-4): **Notice of Intended Changes (TLVs):** (3 mg/m3 TWA (inhalable fraction); A3 - confirmed animal carcinogen with unknown relevance to humans; TLV basis: bronchitis)
- Titanium oxide (13463-67-7): **TLV Basis - Critical Effects:** (lower respiratory tract irritation)

Key to abbreviations

TWAEV = Time-Weighted Average Exposure Value

STEL = Short Term Exposure Limits are based on 15-minute exposures

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

- Physical Form** ▪ Solid
- Appearance/Description** ▪ White fabric with a sandstone polyolefin film.

Color : White		Odor : Odorless	
Taste : NDA		Odor Threshold : NDA	
Boiling Point:	NDA	Vapor Pressure:	NDA
Melting Point:	> 120 C(> 248 F)	Vapor Density:	NDA
Specific Gravity:	0.88 to 0.99	Evaporation Rate:	NDA
Density:	7.3436 to 8.2616 lbs/gal	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA
Water Solubility:	Negligible	Volatiles (Wt.):	NDA
Solvent Solubility:	NDA	Volatiles (Vol.):	NDA
Viscosity:	NDA	Flash Point:	NDA
Half-Life:	NDA	Flash Point Test Type:	NDA
Octanol/Water Partition coefficient:	NDA	UEL:	NDA
Coefficient of Water:	NDA	LEL:	NDA
Bioaccumulation Factor:	NDA	Autoignition:	735 F(390.5556 C)
pH:	NDA		

Section 10 - Stability and Reactivity

- Stability** ▪ Stable under normal temperatures and pressures.
- Hazardous Polymerization** ▪ Will not occur.
- Conditions to Avoid** ▪ Avoid exposure to heat, sparks or open flames. Avoid chlorine, fluorine, and other strong oxidizers.
- Incompatible Materials** ▪ None known.
- Hazardous Decomposition Products** ▪ Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons may be emitted upon decomposition.

Section 11 - Toxicological Information

Under normal conditions of use this material is not expected to pose any health risks. Toxicological information is not available for the material as a whole, but is provided for applicable components.

Component Name	Concentration	CAS	Data
Calcium Carbonate in Polyolefin Film	< 40%		Acute Toxicity: Ingestion/Oral-Rat LD50: =6450 mg/kg
1-Propene, homopolymer	> 60%	9003-07-0	Acute Toxicity: orl-rat LD50:>8 gm/kg; orl-mus TDLo:5000 mg/kg
Carbon Black	< 0.2%	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg; Tumorigen/Carcinogen: ihl-rat TCLo:11600 ug/m3/18H/2Y-l

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information

- Ecological Fate** ▪ No data available
Persistence/Degradability ▪ No data available
Bioaccumulation Potential ▪ No data available
Mobility in Soil ▪ No data available

Material is considered inert to the environment.

Section 13 - Disposal Considerations

- Product** ▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging ▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

DOT - United States - Department of Transportation

Shipping Name: Not Regulated

TDG - Canada - Transport of Dangerous Goods

Shipping Name: Not Regulated

Section 15 - Regulatory Information

SARA Hazard Classifications ▪ No data available

State Right To Know

Component	CAS	MA	NJ	PA
1-Propene, homopolymer	9003-07-0	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Titanium oxide	13463-67-7	Yes	Yes	Yes

Inventory

Component	CAS	Canada DSL	TSCA
1-Propene, homopolymer	9003-07-0	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes
Titanium oxide	13463-67-7	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Carbon Black 1333-86-4 < 0.2% D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS website.)
- Titanium oxide 13463-67-7 < 0.02% D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS website.)
- 1-Propene, homopolymer 9003-07-0 > 60% Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

- Carbon Black 1333-86-4 < 0.2% 1 %

Environment

Canada - CEPA - Priority Substances List

None Listed

Canada British Columbia

Environment

Canada - British Columbia - Ozone Depleting Substances

None Listed

Canada Manitoba

Environment

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1

None Listed

Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2

None Listed

Canada Nova Scotia

Environment

Canada - Nova Scotia - Ozone Layer Protection Regulations

None Listed

Canada Ontario

Environment

Canada - Ontario - Airborne Contaminant Reporting - Table 2A

None Listed

Canada - Ontario - Airborne Contaminant Reporting - Table 2B

None Listed

Canada - Ontario - Ozone Depleting Substances - Solvents - Class 1

None Listed

Canada - Ontario - Ozone Depleting Substances - Solvents - Class 2

None Listed

Canada - Ontario - Ozone Depleting Substances - Solvents - Class 3

None Listed

Canada Yukon

Environment

Canada - Yukon - Ozone Depleting Substances and Other Halocarbons

None Listed

United States

Labor**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

None Listed

U.S. - OSHA - Specifically Regulated Chemicals

None Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

None Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

None Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

None Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

None Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

- Carbon Black 1333-86-4 < 0.2% carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)

U.S. - California - Proposition 65 - Developmental Toxicity

None Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

None Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

None Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

None Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

None Listed

United States - Rhode Island**Labor****U.S. - Rhode Island - Hazardous Substance List**

- Carbon Black 1333-86-4 < 0.2% Toxic
- Titanium oxide 13463-67-7 < 0.02% Toxic

Additional Regulatory Information

- **WARNING:** This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Preparation Date ▪ 7/19/2010

Last Revision Date ▪ 7/19/2010

Acronyms/Definitions ▪ For reference to the acronyms/definitions used in this MSDS please visit www.certainteed.com.

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Key to abbreviations

NDA = No Data Available