

## Safety Data Sheet

## Firestone Building Products Company

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

## 1.1 Product identifier

## Product Name

- UltraPly™ TPO Membrane & Flashing Series

## Synonyms

- UltraPly™ TPO 18" Curb Flashing, UltraPly™ TPO Custom Accessories, UltraPly™ TPO Reinforced Split Pipe Boot, UltraPly™ TPO Walkway Pad, UltraPly™ TPO T-Joint Cover; UltraPly™ TPO Inside/Outside Molded Corner, UltraPly™ TPO Universal Pipe Flashing, UltraPly™ TPO Large Pipe Flashing, UltraPly™ TPO Unsupported Flashing, UltraPly™ TPO Coated Metal; UltraPly™ TPO Membrane, UltraPly™ TPO XR T Membrane, UltraPly™ TPO Platinum™ Membrane, UltraPly™ TPO Reinforced Cover Strip, UltraPly™ TPO Reinforced Curb Corner; X-Tred™ Walkway Pad, UltraPly™ TPO XR CP 54

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)
- Construction:Roofing Material

## 1.3 Details of the supplier of the safety data sheet

## Manufacturer

- Firestone Building Products Company  
200 4th Avenue S  
Nashville, TN 37201-2208  
United States

firestonemsds@bfdp.com

Telephone (General) • 800-428-4442

## 1.4 Emergency telephone number

## Manufacturer

- (800) 424-9300 - CHEMTREC

## Manufacturer

- (703) 527-3887 - CHEMTREC - International

## Section 2: Hazards Identification

## EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

## 2.1 Classification of the substance or mixture

## CLP

- Not classified

## DSD/DPD

- Not classified

## 2.2 Label Elements

## CLP

Hazard statements • No label element(s) required

## DSD/DPD

Risk phrases • No label element(s) required

## 2.3 Other Hazards

## CLP

- This material is exempt from CLP/REACH obligations as an article as specified in

- DSD/DPD**
- REACH (1907/2006) and related ECHA guidance.
  - Under European Directive 1999/45/EC these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- OSHA HCS 2012
- Not classified

### 2.2 Label elements

- OSHA HCS 2012
- Hazard statements**
- No label elements(s) required

### 2.3 Other hazards

- OSHA HCS 2012
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard) this product is exempt as an article under stated normal conditions of use.

## Canada

According to: WHMIS

### 2.1 Classification of the substance or mixture

- WHMIS
- Not classified

### 2.2 Label elements

- WHMIS
- No label element(s) required

### 2.3 Other hazards

- WHMIS
- 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.

### 2.4 Other information

- This material, as an article, does not legally require an SDS.

See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Nonhazardous Components	NDA	100%	NDA	EU DSD/DPD: None EU CLP: None OSHA HCS 2012: None	NDA

See Section 11 for Toxicological Information.

## Section 4 - First Aid Measures

### 4.1 Description of 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. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. 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.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media**
- Water, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

- Unsuitable Extinguishing Media**
- None known.

### 5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Does not present any special fire or explosive hazards.

- Hazardous Combustion Products**
- Upon reaching temperatures of combustion, produces corrosive and/or toxic fumes.

### 5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Structural firefighters' protective clothing will only provide limited protection.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

### 6.2 Environmental precautions

- No special precautions necessary.

### 6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Pick up pieces and place in container or bag for disposal.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a cool, dry, well-ventilated place.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

- Exposure Limits/Guidelines**
- No exposure limits/guidelines available for the material or the components.

### 8.2 Exposure controls

- Engineering Measures/Controls**
- Under normal conditions of use, special ventilation is not required.

**Personal Protective Equipment**

- Respiratory**
  - No respiratory protection is required under normal conditions of use.
- Eye/Face**
  - Under normal conditions of use, eye protection is not required.
- Skin/Body**
  - No skin protection is ordinarily required under normal conditions of use.

- Environmental Exposure Controls**
- Follow best practice for site management and disposal of waste.

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene  
 NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

STEV = Short Term Exposure Value

TWAEV = Time-Weighted Average Exposure Value

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

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Black and white sheet, white and gray sheet, tan and gray sheet, gray and gray sheet, white sheet with fleece back membrane, white sheet, grey sheet, or tan sheet. Essentially no odor.

Color	Black, white, gray, and tan.	Odor	None
Odor Threshold	None		
<b>General Properties</b>			
Boiling Point	Not relevant	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Not relevant
Specific Gravity/Relative Density	= 0.94 Water=1	Water Solubility	Insoluble
Viscosity	Not relevant	Explosive Properties	Not relevant.
Oxidizing Properties:	Not relevant.		
<b>Volatility</b>			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Not relevant		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not flammable.		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- No data available

### 10.5 Incompatible materials

- No data available.

### 10.6 Hazardous decomposition products

- Thermal decomposition could produce CO, CO<sub>2</sub>, and Oxides of Nitrogen.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

- Other Material Information**
- This material is an article that does not release or otherwise result in exposure to a hazardous chemical under normal use. The information provided below is for components only and is not expected to be applicable to the material as a whole.

GHS Properties	Classification
Acute toxicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant

<b>Skin corrosion/Irritation</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Serious eye damage/Irritation</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Skin sensitization</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Respiratory sensitization</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Aspiration Hazard</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Carcinogenicity</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Germ Cell Mutagenicity</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>Toxicity for Reproduction</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>STOT-SE</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
<b>STOT-RE</b>	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant

## 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)** • Under normal conditions of use, no health effects are expected.
- 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.

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

## 12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

## 12.6 Other adverse effects

- Material data lacking.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

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

#### Packaging waste

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

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

#### 14.6 Special precautions for user

- None known.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not relevant.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### SARA Hazard Classifications

- None

#### Canada

##### Labor

Canada - WHMIS - Classifications of Substances

Not Listed

Canada - WHMIS - Ingredient Disclosure List

Not Listed

##### Environment

Canada - CEPA - Priority Substances List

Not Listed

#### China

**Other**

**China - Annex I & II - Controlled Chemicals Lists**

Not Listed

**Europe**

**Other**

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**

Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**

Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

Not Listed

**EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2002/95/EC) (RoHS)**

Not Listed

**EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients**

Not Listed

**EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials**

Not Listed

**Germany**

**Labor**

**Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

Not Listed

**Germany - Immission Control - Qualifying Quantities for Safety Reporting**

Not Listed

**Germany - TRGS 505 - Specific Lead Regulations**

Not Listed

**Germany - TRGS 511 - Specific Ammonium Nitrate Regulations**

Not Listed

**Environment**

**Germany - TA Luft - Types and Classes**

Not Listed

**Germany - TA Luft - Emission Limits for Carcinogenic Substances**

Not Listed

**Germany - TA Luft - Emission Limits for Fibers**

Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Dusts**

Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Gases**

Not Listed

**Germany - TA Luft - Emission Limits for Organic Substances**

Not Listed

**Germany - Water Classification (VwVwS) - Annex 1**

Not Listed

**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

Not Listed

**Germany - Water Classification (VwVwS) - Annex 3**

Not Listed

**United States**

**Labor**

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

Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

Not Listed



### Environment

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

Not Listed

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

Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

Not Listed

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

Not Listed

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

Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

Not Listed

## United States - California

### Environment

U.S. - California - Proposition 65 - Carcinogens List

Not Listed

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

Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

Not Listed

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

Not Listed

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

Not Listed

## United States - Pennsylvania

### Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Not Listed

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

Not Listed

## 15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

## Section 16 - Other Information

### Revision Date

- 19/January/2018

### Preparation Date

- 16/August/2012

### Other Information

- Changes to this revision: Updated mailing address.

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### Key to abbreviations

NDA = No Data Available