

## 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 Cut Edge Sealant Grey

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

**Relevant identified use(s)** • Construction

## 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**

- Flammable Liquids 3 - H226
- Aspiration 1 - H304
- Acute Toxicity Dermal 4 - H312
- Skin Irritation 2 - H315
- Acute Toxicity Inhalation 4 - H332
- Germ Cell Mutagenicity 1B - H340
- Carcinogenicity 1B - H350
- Specific Target Organ Toxicity Repeated Exposure 1 - H372

**DSD/DPD**

- Flammable
- Harmful (Xn)
- Irritant (Xi)
- Mutagenic Substances - Category 2
- Carcinogenic Substances - Category 2
- R10, R20/21, R48/20, R38, R45, R46, R65

## 2.2 Label Elements

**CLP**

**DANGER**



- Hazard statements** • H226 - Flammable liquid and vapour  
 H304 - May be fatal if swallowed and enters airways  
 H312 - Harmful in contact with skin  
 H315 - Causes skin irritation  
 H332 - Harmful if inhaled  
 H340 - May cause genetic defects.  
 H350 - May cause cancer.  
 H372 - Causes damage to organs through prolonged or repeated exposure

## Precautionary statements

- Prevention** • P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground and/or bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P261 - Avoid breathing mist/vapours/spray.  
 P264 - Wash thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P281 - Use personal protective equipment as required.

- Response** • P370+P378 - In case of fire: Use appropriate media for extinction.  
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P363 - Wash contaminated clothing before reuse.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331 - Do NOT induce vomiting.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.

- Storage/Disposal** • P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P235 - Keep cool.  
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Supplemental information** • 5 (skin) and 22.5 (inh) percent of this product consists of an ingredient of unknown toxicity.

## DSD/DPD



- Risk phrases** • R10 - Flammable.  
 R20/21 - Harmful by inhalation and in contact with skin.  
 R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 R38 - Irritating to skin.  
 R45 - May cause cancer.  
 R46 - May cause heritable genetic damage.  
 R65 - Harmful: may cause lung damage if swallowed.

- Safety phrases** • S36 - Wear suitable protective clothing.

## 2.3 Other Hazards

- |                |   |
|----------------|---|
| <b>CLP</b>     | • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous. |
| <b>DSD/DPD</b> | • According to European Directive 1999/45/EC this material is considered dangerous.       |

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- |                      |   |
|----------------------|---|
| <b>OSHA HCS 2012</b> | <ul style="list-style-type: none"> <li>• Flammable Liquids 3</li> <li>Aspiration 1</li> <li>Acute Toxicity Dermal 4</li> <li>Skin Irritation 2</li> <li>Eye Irritation 2A</li> <li>Acute Toxicity Inhalation 4</li> <li>Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation</li> <li>Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects</li> <li>Carcinogenicity 2</li> <li>Reproductive Toxicity 2</li> <li>Specific Target Organ Toxicity Repeated Exposure 1</li> </ul> |
|----------------------|---|

### 2.2 Label elements

OSHA HCS 2012

#### DANGER



- Hazard statements**
- Flammable liquid and vapour
  - May be fatal if swallowed and enters airways
  - Harmful in contact with skin
  - Causes skin irritation
  - Causes serious eye irritation
  - Harmful if inhaled
  - May cause respiratory irritation
  - May cause drowsiness or dizziness
  - Suspected of causing cancer.
  - Suspected of damaging fertility or the unborn child.
  - Causes damage to organs - liver/kidney through prolonged or repeated exposure

#### Precautionary statements

- Prevention**
- Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
  - Keep container tightly closed.
  - Ground and/or bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Use only outdoors or in a well-ventilated area.
  - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- In case of fire: Use appropriate media for extinction.
  - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - Call a POISON CENTER or doctor/physician if you feel unwell.
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - Specific treatment, see supplemental first aid information.
  - If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

- Storage/Disposal**
- Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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

- Supplemental information**
- 5 percent of this product consists of an ingredient of unknown toxicity.

## 2.3 Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

According to: WHMIS

## 2.1 Classification of the substance or mixture

### WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

## 2.2 Label elements

### WHMIS



### WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

## 2.3 Other hazards

### WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## 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

Xylene	<b>CAS:</b> 1330-20-7 <b>EC Number:</b> 215-535-7	50% TO 100%	Ingestion/Oral-Rat LD50 • 4300 mg/kg Inhalation-Rat LC50 • 5000 ppm 4 Hour(s) Skin-Rabbit LD50 • >1700 mg/kg	<b>EU DSD/DPD:</b> EU CLP, Annex VI, Table 3.2: R10; Xn, R20/21; Xi, R38 <b>EU CLP:</b> Annex VI: Flam. Liq. 3, H225; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 <b>OSHA HCS 2012:</b> Flam Liq. 3; Acute Tox. 4 (Skin); Eye Irrit. 2; Skin Irrit. 2; Repr. 2; STOT SE 3: Resp. Irrit. & Narc.	NDA
Stoddard solvent	<b>CAS:</b> 8052-41-3 <b>EC Number:</b> 232-489-3	5% TO 20%	Inhalation-Rat LC50 • >1400 ppm 8 Hour(s)	<b>EU DSD/DPD:</b> EU CLP, Annex VI, Table 3.2: Carc.Cat.2, R45; Muta.Cat.2, R46; Xn, R48/20, R65 <b>EU CLP:</b> Annex VI: Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304; STOT RE 1 (CNS), H372 <b>OSHA HCS 2012:</b> Flam. Liq. 3; Eye Irrit. 2A; Skin Irrit. 2; STOT RE 1 (Liver, Kidney); STOT SE 3: Narc.; Asp. Tox. 1	NDA
Ethylbenzene	<b>CAS:</b> 100-41-4 <b>EC Number:</b> 202-849-4	5% TO 20%	Skin-Rabbit LD50 • 17800 µL/kg Ingestion/Oral-Rat LD50 • 3500 mg/kg Inhalation-Rat LC50 • 55000 mg/m <sup>3</sup> 2 Hour(s)	<b>EU DSD/DPD:</b> EU CLP, Annex VI, Table 3.2: F, R11; Xn, R20, R48/20, R65 <b>EU CLP:</b> Annex VI: Flam. Liq. 2, H225; Acute Tox. 4, H332 <b>OSHA HCS 2012:</b> Flam. Liq. 2; Eye Irrit. 2A; Repr. 2; Carc. 2; STOT SE 3: Resp. Irrit.; STOT SE 3: Narc.	NDA
Titanium dioxide	<b>CAS:</b> 13463-67-7 <b>EC Number:</b> 236-675-5	<= 2.5%	NDA	<b>EU DSD/DPD:</b> Self Classified: Carc. 3 R40 <b>EU CLP:</b> Self Classified: Carc. 2, H351 <b>OSHA HCS 2012:</b> Carc. 2	NDA

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

#### Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.

#### Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- 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

- LARGE FIRES: Water spray, fog or alcohol-resistant foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

#### Unsuitable Extinguishing Media

- Do not use a direct stream of water.

## 5.2 Special hazards arising from the substance or mixture

### Unusual Fire and Explosion Hazards

- **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Dried solids can burn and release toxic fumes and vapors.

### Hazardous Combustion Products

- No data available

## 5.3 Advice for firefighters

- No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if you can do it without risk. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

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

#### Personal Precautions

- Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

#### Emergency Procedures

- **ELIMINATE** all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, **ISOLATE** for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. **LARGE SPILL:** Consider initial downwind evacuation for at least 300 meters (1000 feet) Keep out of low areas. Stay upwind. Keep unauthorized personnel away. Ventilate closed spaces before entering.

### 6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

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

#### Containment/Clean-up Measures

- Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use clean non-sparking tools to collect absorbed material. All equipment used when handling the product must be grounded.

### 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

- Keep away from fire, sparks and heated surfaces. Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes, and clothing. Do not breathe mist/vapours/spray. All equipment used when handling the product must be grounded. Prevent formation of aerosols. Bond and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do

not eat, drink or smoke when using this product. After handling wash hands thoroughly.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage

- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container tightly closed. Store away from oxidizing agents.

## 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						
	Result	ACGIH	Canada Alberta	Canada British Columbia	Canada Manitoba	Canada New Brunswick
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)	10 mg/m3 TWA	10 mg/m3 TWA
Ethylbenzene (100-41-4)	STELs	Not established	125 ppm STEL; 543 mg/m3 STEL	Not established	Not established	125 ppm STEL; 543 mg/m3 STEL
	TWAs	20 ppm TWA	100 ppm TWA; 434 mg/m3 TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA; 434 mg/m3 TWA
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	100 ppm TWA; 572 mg/m3 TWA	290 mg/m3 TWA	100 ppm TWA	100 ppm TWA; 525 mg/m3 TWA
	STELs	Not established	Not established	580 mg/m3 STEL	Not established	Not established
Xylene (1330-20-7)	STELs	150 ppm STEL	150 ppm STEL; 651 mg/m3 STEL	150 ppm STEL	150 ppm STEL	150 ppm STEL; 651 mg/m3 STEL
	TWAs	100 ppm TWA	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA	100 ppm TWA	100 ppm TWA; 434 mg/m3 TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec
Titanium dioxide (13463-67-7)	TWAs	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)
Ethylbenzene (100-41-4)	STELs	125 ppm STEL; 542 mg/m3 STEL	Not established	125 ppm STEL; 542 mg/m3 STEL	Not established	125 ppm STEV; 543 mg/m3 STEV
	TWAs	100 ppm TWA; 434 mg/m3 TWA	20 ppm TWA	100 ppm TWA; 434 mg/m3 TWA	20 ppm TWA	100 ppm TWAEV; 434 mg/m3 TWAEV
Stoddard solvent (8052-41-3)	STELs	125 ppm STEL; 720 mg/m3 STEL	Not established	125 ppm STEL; 720 mg/m3 STEL	Not established	Not established
	TWAs	100 ppm TWA; 575 mg/m3 TWA	100 ppm TWA	100 ppm TWA; 575 mg/m3 TWA	525 mg/m3 TWA (140°C Flash aliphatic solvent)	100 ppm TWAEV; 525 mg/m3 TWAEV
Xylene (1330-20-7)	STELs	150 ppm STEL; 652 mg/m3 STEL	150 ppm STEL	150 ppm STEL; 652 mg/m3 STEL	150 ppm STEL	150 ppm STEV; 651 mg/m3 STEV
	TWAs	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA	100 ppm TWA; 434 mg/m3 TWA	100 ppm TWA	100 ppm TWAEV; 434 mg/m3 TWAEV

Exposure Limits/Guidelines (Con't.)						
	Result	Canada Saskatchewan	Canada Yukon	Cyprus	Denmark	Germany DFG
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	30 mppcf TWA (as Ti); 10 mg/m3 TWA (as Ti)	Not established	6 mg/m3 TWA (as Ti)	Not established
	STELs	Not established	20 mg/m3 STEL (as Ti)	Not established	Not established	Not established
Ethylbenzene (100-41-4)	TWAs	100 ppm TWA	100 ppm TWA; 435 mg/m3 TWA	100 ppm TWA; 442 mg/m3 TWA	50 ppm TWA; 217 mg/m3 TWA	Not established
	STELs	Not established	125 ppm STEL; 545 mg/m3 STEL	200 ppm STEL; 884 mg/m3 STEL	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	40 ppm Peak; 176 mg/m3 Peak
	MAKs	Not established	Not established	Not established	Not established	20 ppm TWA MAK; 88 mg/m3 TWA MAK
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	100 ppm TWA; 575 mg/m3 TWA	Not established	25 ppm TWA (= <20% Aromatic compounds); 145 mg/m3 TWA (= <20% Aromatic compounds)	Not established
	STELs	Not established	150 ppm STEL; 720 mg/m3 STEL	Not established	Not established	Not established
Xylene (1330-20-7)	TWAs	100 ppm TWA	100 ppm TWA; 435 mg/m3 TWA	50 ppm TWA; 221 mg/m3 TWA	25 ppm TWA; 109 mg/m3 TWA	Not established
	STELs	Not established	150 ppm STEL; 650 mg/m3 STEL	100 ppm STEL; 442 mg/m3 STEL	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	200 ppm Peak (all isomers); 880 mg/m3 Peak (all isomers)
	MAKs	Not established	Not established	Not established	Not established	100 ppm TWA MAK (all isomers); 440 mg/m3 TWA MAK (all isomers)

Exposure Limits/Guidelines (Con't.)				
	Result	Germany TRGS	NIOSH	OSHA
Titanium dioxide (13463-67-7)	TWAs	Not established	Not established	15 mg/m3 TWA (total dust)
Ethylbenzene (100-41-4)	TWAs	20 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 88 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)	100 ppm TWA; 435 mg/m3 TWA	100 ppm TWA; 435 mg/m3 TWA
	STELs	Not established	125 ppm STEL; 545 mg/m3 STEL	Not established
Stoddard solvent (8052-41-3)	TWAs	Not established	350 mg/m3 TWA	500 ppm TWA; 2900 mg/m3 TWA
	Ceilings	Not established	1800 mg/m3 Ceiling (15 min)	Not established



Xylene (1330-20-7)	TWAs	100 ppm TWA AGW (all isomers, exposure factor 2); 440 mg/m <sup>3</sup> TWA AGW (all isomers, exposure factor 2)	Not established	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
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## Exposure Control Notations

### Cyprus

- Xylene (1330-20-7): **Skin:** (Skin-potential for cutaneous absorption)
- Ethylbenzene (100-41-4): **Skin:** (Skin-potential for cutaneous absorption)

### Germany TRGS

- Xylene (1330-20-7): **Skin:** (skin notation (all isomers))
- Ethylbenzene (100-41-4): **Skin:** (skin notation)

### Germany DFG

- Xylene (1330-20-7): **Pregnancy:** (classification not yet possible (all isomers)) | **Skin:** (skin notation (all isomers))
- Ethylbenzene (100-41-4): **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Skin:** (skin notation)
- Titanium dioxide (13463-67-7): **Carcinogens:** (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles))

## 8.2 Exposure controls

### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment. Control exposures to product and vapor. Follow manufacturer's technical guidelines for use and application.

### Personal Protective Equipment

#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

- Wear splash goggles or other eye/face protection as determined by the end-user.

#### Skin/Body

- Wear appropriate chemical resistant clothing and/or chemical resistant gloves as determined by the end-user.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

### 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	Liquid	Appearance/Description	Gray viscous liquid with a characteristic odor.
Color	Gray	Odor	Characteristic
Odor Threshold	Data lacking		

General Properties			
Boiling Point	137 °C(278.6 °F)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.939 Water=1	Water Solubility	Immiscible
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	5 mmHg (torr) @ 20 °C(68 °F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	30 °C(86 °F)	UEL	7 %
LEL	1.1 %	Burning Rate Test	Data lacking
Flammability (solid, gas)	Flammable Liquid.		
Environmental			
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

- Avoid flames, sparks, or other sources of ignition.

### 10.5 Incompatible materials

- Strong oxidizers, acids, and bases.

### 10.6 Hazardous decomposition products

- Oxides of carbons and nitrogen under burning conditions.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components		
Xylene (50% TO 100%)	1330-20-7	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 4300 mg/kg; <i>Liver:Other changes; Kidney, Ureter, and Bladder:Other changes</i> ; Inhalation-Rat LC50 • 5000 ppm 4 Hour(s); Skin-Rabbit LD50 • >1700 mg/kg; <b>Irritation:</b> Eye-Rabbit • 5 mg 24 Hour(s) • Severe irritation; Skin-Rabbit • 100 % • Moderate irritation; <b>Reproductive:</b> Inhalation-Rat TClO • 50 mg/m <sup>3</sup> 6 Hour(s)(1-21D preg); <i>Reproductive Effects:Effects on Fertility:Post-implantation mortality; Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Specific Developmental Abnormalities:Craniofacial (including nose and tongue)</i>
Stoddard solvent (5% TO 20%)	8052-41-3	<b>Irritation:</b> Eye-Rabbit • 500 mg 24 Hour(s) • Moderate irritation

Ethylbenzene (5% TO 20%)	100-41-4	<b>Acute Toxicity:</b> Ingestion-Oral-Rat LD50 • 3500 mg/kg; <b>Liver:Other changes; Kidney, Ureter, and Bladder:Other changes;</b> Inhalation-Rat LC50 • 55000 mg/m <sup>3</sup> 2 Hour(s); Skin-Rabbit LD50 • 17800 µL/kg; <b>Irritation:</b> Eye-Rabbit • 500 mg • Severe irritation; Skin-Rabbit • 15 mg 24 Hour(s)-Open • Mild irritation; <b>Multi-dose Toxicity:</b> Inhalation-Rabbit TCLO • 100 mg/m <sup>3</sup> 4 Hour(s) 30 Week(s)-Intermittent; <b>Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Blood:Other changes; Blood:Changes in leucocyte (WBC) count</b>
Titanium dioxide (<= 2.5%)	13463-67-7	<b>Irritation:</b> Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; <b>Tumorigen / Carcinogen:</b> Inhalation-Rat TCLO • 250 mg/m <sup>3</sup> 6 Hour(s) 2 Year(s)-Intermittent; <b>Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors</b>

GHS Properties	Classification
<b>Acute toxicity</b>	EU/CLP • Acute Toxicity - Dermal 4 - ATEmix (skin)= 1746.05 mg/kg; Acute Toxicity - Inhalation 4 - ATE Mix (inhl) = 11 mg/L OSHA HCS 2012 • Acute Toxicity - Dermal 4 - ATEmix (skin)= 1746.05 mg/kg; Acute Toxicity - Inhalation 4
<b>Skin corrosion/Irritation</b>	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
<b>Serious eye damage/Irritation</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Eye Irritation 2A
<b>Skin sensitization</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Respiratory sensitization</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Aspiration Hazard</b>	EU/CLP • Aspiration 1 OSHA HCS 2012 • Aspiration 1
<b>Carcinogenicity</b>	EU/CLP • Carcinogenicity 1B OSHA HCS 2012 • Carcinogenicity 2
<b>Germ Cell Mutagenicity</b>	EU/CLP • Germ Cell Mutagenicity 1B OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Toxic to Reproduction 2
<b>STOT-SE</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
<b>STOT-RE</b>	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 1 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

**Route(s) of entry/exposure** • Inhalation, Skin, Eye, Ingestion

## Potential Health Effects

### Inhalation

#### Acute (Immediate)

- Harmful if inhaled. May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

#### Chronic (Delayed)

- No data available

### Skin

#### Acute (Immediate)

- Harmful in contact with skin. Causes skin irritation.

#### Chronic (Delayed)

- No data available

### Eye

#### Acute (Immediate)

- Causes serious eye irritation.

- Chronic (Delayed)**
- No data available.
- Ingestion**
- Acute (Immediate)**
- Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- Chronic (Delayed)**
- No data available.
- Other**
- Chronic (Delayed)**
- Prolonged or repeated exposure may cause damage to liver and kidneys.
- Mutagenic Effects**
- Repeated and prolonged exposure may cause mutagenic effects.
- Carcinogenic Effects**
- May cause cancer.

<b>Carcinogenic Effects</b>			
	<b>CAS</b>	<b>IARC</b>	<b>NTP</b>
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity
Ethylbenzene	100-41-4	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity

- Reproductive Effects**
- May cause adverse reproductive effects - such as birth defects, miscarriages or infertility based on animal data.

**Key to abbreviations**

LC = Lethal Concentration	MOD = Moderate
LD = Lethal Dose	SEV = Severe
MLD = Mild	TC = Toxic Concentration

## 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

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

## 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	UN1133	Adhesives	3	III	NDA
TDG	UN1133	ADHESIVES	3	III	Potential Marine Pollutant
IMO/IMDG	UN1133	ADHESIVES	3	III	NDA
ADN	UN1133	ADHESIVES	3	III	NDA
ADR/RID	UN1133	ADHESIVES	3	III	NDA
IATA/ICAO	UN1133	Adhesives	3	III	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 • Acute, Chronic, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Ethylbenzene	100-41-4	Yes	Yes	Yes
Stoddard solvent	8052-41-3	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes	Yes
Xylene	1330-20-7	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Ethylbenzene	100-41-4	Yes	No	Yes	No	Yes
Stoddard solvent	8052-41-3	Yes	No	Yes	No	Yes
Titanium dioxide	13463-67-7	Yes	No	Yes	No	Yes
Xylene	1330-20-7	Yes	No	Yes	No	Yes

## Belgium

### Labor

#### Belgium - Substances and Preparations - Carcinogens and Mutagens

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

## Bulgaria

### Environment

#### Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour

• Ethylbenzene	100-41-4	0.02 mg/m3 MAHCL
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	0.1 mg/m3 MAHCL

**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute**

• Ethylbenzene	100-41-4	0.02 mg/m3 MAHCL
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Canada****Labor****Canada - WHMIS - Classifications of Substances**

• Ethylbenzene	100-41-4	B2, D2A, D2B
• Stoddard solvent	8052-41-3	B3, D2B
• Titanium dioxide	13463-67-7	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 Division website.)
• Xylene	1330-20-7	B2, D2A, D2B

**Canada - WHMIS - Ingredient Disclosure List**

• Ethylbenzene	100-41-4	0.1 %
• Stoddard solvent	8052-41-3	1 %
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Environment****Canada - 2004 NPRI (National Pollutant Release Inventory)**

• Ethylbenzene	100-41-4	Part 1, Group 1 Substance
• Stoddard solvent	8052-41-3	Part 5 Substance
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Part 1, Group 1 Substance; Part 5 Substance

**Canada - 2005 NPRI (National Pollutant Release Inventory)**

• Ethylbenzene	100-41-4	Part 1, Group 1 Substance
• Stoddard solvent	8052-41-3	Part 5 Substance
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Part 1, Group 1 Substance; Part 5 Substance

**Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting**

• Ethylbenzene	100-41-4	Not Listed
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• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Canada - CEPA - Priority Substances List**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Priority Substance List 1 (substance not considered toxic)

**Canada - DWQ (Drinking Water Quality) - IMACs**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Other****Canada - Accelerated Reduction/Elimination of Toxics (ARET)**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Canada New Brunswick****Environment****Canada - New Brunswick - Ozone Depleting Substances - Schedule A**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Canada - New Brunswick - Ozone Depleting Substances - Schedule B**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

**Denmark****Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Solvents in a wide range of products including paints and coatings, dyes (listed under Certain oils and Coal-derived substances)
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	F; R11 Xn; R20
• Stoddard solvent	8052-41-3	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	R10 Xn; R20/21 Xi; R38
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits</b>		
• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	12.5%≤C: Xn; R:20/21
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling</b>		
• Ethylbenzene	100-41-4	F Xn R:11-20 S:(2)-16-24/25-29
• Stoddard solvent	8052-41-3	T R:45-46-65 S:53-45
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Xn R:10-20/21-38 S:(2)-25
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations</b>		
• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	P
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	C
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases</b>		
• Ethylbenzene	100-41-4	S:(2)-16-24/25-29
• Stoddard solvent	8052-41-3	S:53-45
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	S:(2)-25

## Germany

### Labor

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

#### Germany - TRGS 505 - Specific Lead Regulations

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed



• Xylene	1330-20-7	Not Listed
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**Environment****Germany - TA Luft - Types and Classes**

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	ID Number 1345, not considered hazardous to water
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	ID Number 99, hazard class 1 - low hazard to waters
• Stoddard solvent	8052-41-3	ID Number 775, hazard class 2 - hazard to waters
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	ID Number 206, hazard class 2 - hazard to waters

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	(listed under Ethyl benzene)
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	(isomers and mixtures)

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

• Ethylbenzene	100-41-4	1000 lb final RQ; 454 kg final RQ
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	100 lb final RQ; 45.4 kg final RQ

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	0.1 % de minimis concentration
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	1.0 % de minimis concentration
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Basis for Listing - Appendix VII</b>		
• Ethylbenzene	100-41-4	Included in waste stream: F039
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Included in waste stream: F039
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Constituents for Detection Monitoring</b>		
• Ethylbenzene	100-41-4	
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - List for Hazardous Constituents</b>		
• Ethylbenzene	100-41-4	
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards</b>		
• Ethylbenzene	100-41-4	0.057 mg/L (wastewater); 10 mg/kg (nonwastewater)
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	0.32 mg/L (wastewater); 30 mg/kg (nonwastewater)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - TSD Facilities Ground Water Monitoring</b>		
• Ethylbenzene	100-41-4	
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	(total)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - U Series Wastes - Acutely Toxic Wastes &amp; Other Hazardous Characteristics</b>		
• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	waste number U239 (Ignitable waste)

## United States - California

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

• Ethylbenzene	100-41-4	carcinogen, initial date 6/11/04
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size)
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	54 µg/day NSRL (inhalation); 41 µg/day NSRL (oral)
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

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

• Ethylbenzene	100-41-4	
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	

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

• Ethylbenzene	100-41-4	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Xylene	1330-20-7	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## 15.3 Other Information

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

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour  
H351 - Suspected of causing cancer.  
R11 - Highly flammable.  
R20 - Harmful by inhalation.  
R40 - Limited evidence of a carcinogenic effect.

### Revision Date

- 28/February/2018

### Preparation Date

- 11/March/2014

### Other Information

- Changes to this revision: Updated mailing address.

### Disclaimer/Statement of Liability

- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

### Key to abbreviations

NDA = No data available