

## 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** • **Multi-Purpose MB Cold Adhesive and Multi-Purpose MB Flashing Cement**

#### 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
- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Hazardous to the aquatic environment Chronic 3 - H412

**DSD/DPD**

- Irritant (Xi)
- R10, R36/37/38, R52, R53, R67

#### 2.2 Label Elements

CLP

#### WARNING



**Hazard statements** • H226 - Flammable liquid and vapour  
H315 - Causes skin irritation

H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H412 - Harmful to aquatic life with long lasting effects

## Precautionary statements

- Prevention** • 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.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- 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.  
P321 - Specific treatment, see supplemental first aid information.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.
- Storage/Disposal** • P233 - Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## DSD/DPD



- Risk phrases** • R10 - Flammable.  
R36/37/38 - Irritating to eyes, respiratory system and skin.  
R52 - Harmful to aquatic organisms.  
R53 - May cause long-term adverse effects in the aquatic environment.  
R67 - Vapours may cause drowsiness and dizziness.
- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 2.3 Other Hazards

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

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

## 2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 3
  - Skin Irritation 2
  - Eye Irritation 2A

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation  
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects  
Specific Target Organ Toxicity Repeated Exposure 1

## 2.2 Label elements

OSHA HCS 2012

### DANGER



- Hazard statements**
- Flammable liquid and vapour
  - Causes skin irritation
  - Causes serious eye irritation
  - May cause respiratory irritation
  - May cause drowsiness or dizziness
  - Causes damage to organs - Liver, Kidney through prolonged or repeated exposure

### Precautionary statements

- Prevention**
- 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.
  - Do not breathe mist/vapours/spray.
  - 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.
  - Take off contaminated clothing and wash before reuse.
  - 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.
  - Get medical advice/attention if you feel unwell.
- Storage/Disposal**
- Keep container tightly closed.
  - Store in a well-ventilated place. Keep cool.
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 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

- Combustible Liquids - B3
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

## 2.2 Label elements

### WHMIS



### WHMIS

- Combustible Liquids - B3
- 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).

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
Petroleum Asphalt	NDA	40% TO 60%	NDA	<b>EU DSD/DPD:</b> Data Lacking <b>EU CLP:</b> Data Lacking <b>OSHA HCS 2012:</b> Data Lacking	NDA
Stoddard solvent	<b>CAS:</b> 8052-41-3 <b>EC Number:</b> 232-489-3	15% TO 25%	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: Asp. Tox. 1, H304; Carc. 1B, H350; Muta. 1B, H340 <b>OSHA HCS 2012:</b> Flam. Liq. 3; Eye Irrit. 2A; Skin Irrit. 2; Asp. Tox. 1; STOT RE 1 - Liver & Kidney; STOT SE 3: Narc.	NDA
Limestone	<b>CAS:</b> 1317-65-3 <b>EC Number:</b> 215-279-6	15% TO 25%	NDA	<b>EU DSD/DPD:</b> Self Classified: Xn, R48/20 <b>EU CLP:</b> Self Classified: STOT RE 1 (Lungs), H372 <b>OSHA HCS 2012:</b> STOT RE 1 (Lungs)	NDA
Palygorskite	<b>CAS:</b> 12174-11-7	3% TO 7%	NDA	<b>EU DSD/DPD:</b> Self Classified: Carc. 2, R45 <b>EU CLP:</b> Self Classified: Carc. 2, H350 <b>OSHA HCS 2012:</b> Carc. 2	NDA
Solvent naphtha (petroleum), light aromatic	<b>CAS:</b> 64742-95-6 <b>EC Number:</b> 265-199-0	1% TO 5%	Ingestion/Oral-Rat LD50 • 8400 mg/kg	<b>EU DSD/DPD:</b> EU CLP, Annex VI, Table 3.2: Carc.Cat.2, R45; Muta.Cat.2, R46; Xn, R65 <b>EU CLP:</b> Annex VI: Asp. Tox. 1, H304; Muta. 1B, H340; Carc. 1B, H350 <b>OSHA HCS 2012:</b> Eye Irrit. 2B	NDA
Cellulose	<b>CAS:</b> 9004-34-6 <b>EINECS:</b> 232-674-9	1% TO 5%	Ingestion/Oral-Rat LD50 • >5 g/kg Inhalation-Rat LC50 • >5800 mg/m <sup>3</sup> 4 Hour(s) Skin-Rabbit LD50 • >2	<b>EU DSD/DPD:</b> Data Lacking <b>EU CLP:</b> Data Lacking <b>OSHA HCS 2012:</b> Data Lacking	NDA

			g/kg		
1,2,4-Trimethylbenzene	CAS:95-63-6 EC Number:202-436-9	1% TO 5%	Ingestion/Oral-Rat LD50 • 5 g/kg Inhalation-Rat LC50 • 18000 mg/m <sup>3</sup> 4 Hour (s)	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: R10; Xn, R20; Xi, R36/37/38; N, R51, R53 EU CLP: Annex VI: Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 2, H411 OSHA HCS 2012: Eye Irrit. 2; Skin Irrit. 2; STOT SE 3 (Resp.); Flam. Liq. 3	NDA
Xylene	CAS:1330-20-7 EC Number:215-535-7	0.5% TO 1.5%	Ingestion/Oral-Rat LD50 • 4300 mg/kg Inhalation-Rat LC50 • 5000 ppm 4 Hour(s) Skin-Rabbit LD50 • >1700 mg/kg	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: R10; Xn, R20/21; Xi, R38 EU CLP: Annex VI: Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 OSHA HCS 2012: Flam Liq. 3; Acute Tox. 4 (Skin); Eye Irrit. 2; Skin Irrit. 2; Repr. 2	NDA
Quartz	CAS:14808-60-7 EC Number:238-878-4	0.5% TO 1.5%	NDA	EU DSD/DPD: Self Classified: Carc 1, R45 EU CLP: Self Classified: Carc. 1A, H350 OSHA HCS 2012: Carc. 1A	NDA

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- Move victim 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

- Remove and isolate contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical 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

- Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

### 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** • Chemical foam, carbon dioxide (CO<sub>2</sub>), or dry chemical.

**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** • Containers may explode when heated.  
Vapor explosion hazard indoors, outdoors or in sewers.

**HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames.  
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.

**Hazardous Combustion Products**

- Carbon dioxide, carbon monoxide, partially burned carbon and acrid fumes.

**5.3 Advice for firefighters**

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk.  
**LARGE FIRES:** Cool containers with flooding quantities of water until well after fire is out.

**Section 6 - Accidental Release Measures**

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

**Personal Precautions**

- Do not walk through spilled material. Avoid contact with skin and eyes. Do not breathe mist/vapours/spray. Wear appropriate personal protective equipment.

**Emergency Procedures**

- 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) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. 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. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. **LARGE SPILLS:** Dike far ahead of liquid spill for later disposal. **LARGE SPILLS:** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**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. Take precautionary measures against static charges. Use only with adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

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

**Storage**

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

## 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
Xylene (1330-20-7)	STELs	150 ppm STEL	150 ppm STEL; 651 mg/m <sup>3</sup> STEL	150 ppm STEL	150 ppm STEL	150 ppm STEL; 651 mg/m <sup>3</sup> STEL
	TWAs	100 ppm TWA	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	100 ppm TWA	100 ppm TWA	100 ppm TWA; 434 mg/m <sup>3</sup> TWA
Quartz (14808-60-7)	TWAs	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.025 mg/m <sup>3</sup> TWA (respirable particulate)	0.025 mg/m <sup>3</sup> TWA (respirable)	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.1 mg/m <sup>3</sup> TWA (respirable fraction)
Cellulose (9004-34-6)	TWAs	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA (total dust); 3 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	100 ppm TWA; 572 mg/m <sup>3</sup> TWA	290 mg/m <sup>3</sup> TWA	100 ppm TWA	100 ppm TWA; 525 mg/m <sup>3</sup> TWA
	STELs	Not established	Not established	580 mg/m <sup>3</sup> STEL	Not established	Not established
Limestone (1317-65-3)	TWAs	Not established	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA (total dust); 3 mg/m <sup>3</sup> TWA (respirable fraction)	Not established	10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and < 1% crystalline silica)
	STELs	Not established	Not established	20 mg/m <sup>3</sup> STEL	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec
Xylene (1330-20-7)	STELs	150 ppm STEL; 652 mg/m <sup>3</sup> STEL	150 ppm STEL	150 ppm STEL; 652 mg/m <sup>3</sup> STEL	150 ppm STEV; 650 mg/m <sup>3</sup> STEV	150 ppm STEV; 651 mg/m <sup>3</sup> STEV
	TWAs	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	100 ppm TWA	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	100 ppm TWAEV; 435 mg/m <sup>3</sup> TWAEV	100 ppm TWAEV; 434 mg/m <sup>3</sup> TWAEV
Quartz (14808-60-7)	TWAs	0.1 mg/m <sup>3</sup> TWA (respirable mass); 0.3 mg/m <sup>3</sup> TWA (total mass)	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.1 mg/m <sup>3</sup> TWA (respirable mass); 0.3 mg/m <sup>3</sup> TWA (total mass)	0.10 mg/m <sup>3</sup> TWAEV (designated substance regulation)	0.1 mg/m <sup>3</sup> TWAEV (respirable dust)
Cellulose (9004-34-6)	TWAs	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)	10 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)	10 mg/m <sup>3</sup> TWAEV (paper fibre, total dust)	10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Palygorskite (12174-11-7)	TWAs	Not established	Not established	Not established	Not established	1 fibre/cm <sup>3</sup> TWAEV (respirable)
Stoddard solvent (8052-41-3)	STELs	125 ppm STEL; 720 mg/m <sup>3</sup> STEL	Not established	125 ppm STEL; 720 mg/m <sup>3</sup> STEL	Not established	Not established
	TWAs	100 ppm TWA; 575 mg/m <sup>3</sup> TWA	100 ppm TWA	100 ppm TWA; 575 mg/m <sup>3</sup> TWA	525 mg/m <sup>3</sup> TWAEV	100 ppm TWAEV; 525 mg/m <sup>3</sup> TWAEV

Limestone (1317-65-3)	TWAs	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	Not established	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	Not established	10 mg/m3 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Saskatchewan	Canada Yukon	NIOSH	OSHA	
Xylene (1330-20-7)	TWAs	100 ppm TWA	100 ppm TWA; 435 mg/m3 TWA	Not established	100 ppm TWA; 435 mg/m3 TWA	
	STELs	Not established	150 ppm STEL; 650 mg/m3 STEL	Not established	Not established	
Quartz (14808-60-7)	TWAs	0.05 mg/m3 TWA (respirable fraction, listed under Silica - crystalline)	300 particle/mL TWA (listed under Silica)	0.05 mg/m3 TWA (respirable dust)	Not established	
Cellulose (9004-34-6)	TWAs	10 mg/m3 TWA	30 mppcf TWA; 10 mg/m3 TWA	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	
	STELs	Not established	20 mg/m3 STEL	Not established	Not established	
1,2,4- Trimethylbenzene (95-63-6)	TWAs	Not established	Not established	25 ppm TWA; 125 mg/m3 TWA	Not established	
Stoddard solvent (8052-41-3)	TWAs	100 ppm TWA	100 ppm TWA; 575 mg/m3 TWA	350 mg/m3 TWA	500 ppm TWA; 2900 mg/m3 TWA	
	STELs	Not established	150 ppm STEL; 720 mg/m3 STEL	Not established	Not established	
	Ceilings	Not established	Not established	1800 mg/m3 Ceiling (15 min)	Not established	
Limestone (1317-65-3)	TWAs	10 mg/m3 TWA	30 mppcf TWA; 10 mg/m3 TWA	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	
	STELs	Not established	20 mg/m3 STEL	Not established	Not established	

## 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.

### Personal Protective Equipment

#### Respiratory

- 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 safety goggles.

#### Skin/Body

- Wear appropriate gloves.

### Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. 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

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	Black liquid with an aromatic solvent odor.
Color	Black	Odor	Aromatic solvent.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	310 to 400 °F(154.4444 to 204.4444 °C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 1.14 Water=1	Water Solubility	Insoluble
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	5.2 Air=1
Evaporation Rate	> 1		
Flammability			
Flash Point	> 105 °F(> 40.5556 °C) COC (Cleveland Open Cup)	UEL	5 %
LEL	1 %	Autoignition	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

- Keep away from heat, sparks, and flame.

### 10.5 Incompatible materials

- Strong oxidizing agents and acids.

### 10.6 Hazardous decomposition products

- Toxic and irritating gases, vapors or fumes, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

## Section 11 - Toxicological Information

## 11.1 Information on toxicological effects

Components		
1,2,4-Trimethylbenzene (1% TO 5%)	95-63-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 5 g/kg
Solvent naphtha (petroleum), light aromatic (1% TO 5%)	64742-95-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 8400 mg/kg; <b>Behavioral:Somnolence (general depressed activity); Behavioral:Tremor; Lungs, Thorax, or Respiration:Other changes;</b> <b>Irritation:</b> Eye-Rabbit • 100 µL 24 Hour(s) • Mild irritation; <b>Reproductive:</b> Inhalation-Rat TCLO • 1500 ppm (9W male/9W pre-16D post); <b>Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain)</b>
Cellulose (1% TO 5%)	9004-34-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >5 g/kg; Inhalation-Rat LC50 • >5800 mg/m <sup>3</sup> 4 Hour(s); Skin-Rabbit LD50 • >2 g/kg
Quartz (0.5% TO 1.5%)	14808-60-7	<b>Tumorigen / Carcinogen:</b> Inhalation-Rat TCLO • 50 mg/m <sup>3</sup> 6 Hour(s) 71 Week(s)-Intermittent; <b>Tumorigenic:Carcinogenic by RTECS criteria; Liver:Tumors</b>
Xylene (0.5% TO 1.5%)	1330-20-7	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 4300 mg/kg; <b>Liver:Other changes; Kidney, Ureter, and Bladder:Other changes;</b> 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); <b>Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system; Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities; Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain)</b>

GHS Properties	Classification
<b>Acute toxicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Skin corrosion/Irritation</b>	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
<b>Serious eye damage/Irritation</b>	EU/CLP • Eye Irritation 2 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 • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation 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 • Classification criteria not met 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)**
  - 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)**
  - Causes skin irritation.
- Chronic (Delayed)**
  - No data available.

**Eye**

- Acute (Immediate)**
  - Causes serious eye irritation.
- Chronic (Delayed)**
  - No data available.

**Ingestion**

- Acute (Immediate)**
  - May cause gastrointestinal disturbances including diarrhea, nausea, and vomiting.
- Chronic (Delayed)**
  - No data available.

**Other**

- Chronic (Delayed)**
  - Prolonged or repeated exposure causes damage to liver and kidneys.

**Carcinogenic Effects**

- Although this material does contain several components that are either carcinogens or potential carcinogens the material as a whole is not classified as a carcinogen according to regulatory guidelines.

<b>Carcinogenic Effects</b>			
	<b>CAS</b>	<b>IARC</b>	<b>NTP</b>
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen
Palygorskite	12174-11-7	Group 2B-Possible Carcinogen	Not Listed

**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**

- Harmful to aquatic life with long lasting effects.

**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	UN1999	Tars, liquid	3	III	NDA
TDG	UN1999	TARS, LIQUID	3	III	NDA
IMO/IMDG	UN1999	TARS, LIQUID	3	III	NDA
ADN	UN1999	TARS, LIQUID	3	III	NDA
ADR/RID	UN1999	TARS, LIQUID	3	III	NDA
IATA/ICAO	UN1999	Tars, liquid	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.

**14.8 Other information**

- DOT** • This product is not regulated for ground transport when shipped in non bulk quantities (<119 gallons) per exception found under 49 CFR 173.150. Xylene has a reportable quantity of 100 lbs (45.4 kg) as listed in Appendix A to 49 CFR 172.101.

**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
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes	Yes
Cellulose	9004-34-6	Yes	Yes	Yes
Limestone	1317-65-3	Yes	Yes	Yes
Palygorskite	12174-11-7	No	No	No
Quartz	14808-60-7	Yes	Yes	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	No	No	No
Stoddard solvent	8052-41-3	Yes	Yes	Yes
Xylene	1330-20-7	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
1,2,4-Trimethylbenzene	95-63-6	Yes	No	Yes	No	Yes
Cellulose	9004-34-6	Yes	No	Yes	No	Yes

Limestone	1317-65-3	No	Yes	Yes	No	Yes
Palygorskite	12174-11-7	No	No	No	No	No
Quartz	14808-60-7	Yes	No	Yes	No	Yes
Solvent naphtha (petroleum), light aromatic	64742-95-6	Yes	No	Yes	No	Yes
Stoddard solvent	8052-41-3	Yes	No	Yes	No	Yes
Xylene	1330-20-7	Yes	No	Yes	No	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Uncontrolled product according to WHMIS classification criteria (including microcrystalline and paper fibers)
• Stoddard solvent	8052-41-3	B3, D2B
• Xylene	1330-20-7	B2, D2A, D2B
• Limestone	1317-65-3	D2A
• 1,2,4-Trimethylbenzene	95-63-6	B3
• Solvent naphtha (petroleum), light aromatic	64742-95-6	B3, D2B
• Quartz	14808-60-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS website.)

#### Canada - WHMIS - Ingredient Disclosure List

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	1 %
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	0.1 %
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	1 %

### Environment

#### Canada - CEPA - Priority Substances List

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Priority Substance List 1 (substance not considered toxic)
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

## Europe

### Other

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Xylene	1330-20-7	R10 Xn; R20/21 Xi; R38
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	R10 Xn; R20 Xi; R36/37/38 N; R51 R53
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	12.5%<=C: Xn; R20/21
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	T R:45-46-65 S:53-45
• Xylene	1330-20-7	Xn R:10-20/21-38 S:(2)-25
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Xn N R:10-20-36/37/38-51/53 S:(2)-26-61
• Solvent naphtha (petroleum), light aromatic	64742-95-6	T R:45-46-65 S:53-45
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	H, P
• Xylene	1330-20-7	C
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	H, P
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	S:53-45
• Xylene	1330-20-7	S:(2)-25
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	S:(2)-26-61
• Solvent naphtha (petroleum), light aromatic	64742-95-6	S:53-45

• Quartz	14808-60-7	Not Listed
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## United States

### Labor

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

### Environment

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	(isomers and mixtures)
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	100 lb final RQ; 45.4 kg final RQ
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed

• Quartz	14808-60-7	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>		
• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	1.0 % de minimis concentration
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	1.0 % de minimis concentration
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - Basis for Listing - Appendix VII</b>		
• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Included in waste stream: F039
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed



**U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring**

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents**

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards**

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	0.32 mg/L (wastewater); 30 mg/kg (nonwastewater)
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring**

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	waste number U239 (Ignitable waste, Toxic waste)
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

**United States - California**

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

• Palygorskite	12174-11-7	carcinogen, initial date 12/28/99 (> 5 um in length)
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

## United States - Pennsylvania

### Labor

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Not Listed
• Stoddard solvent	8052-41-3	Not Listed
• Xylene	1330-20-7	Not Listed
• Limestone	1317-65-3	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Not Listed

## United States - Rhode Island

### Labor

#### U.S. - Rhode Island - Hazardous Substance List

• Palygorskite	12174-11-7	Not Listed
• Cellulose	9004-34-6	Toxic
• Stoddard solvent	8052-41-3	Toxic
• Xylene	1330-20-7	Toxic (skin); Flammable (skin)
• Limestone	1317-65-3	Toxic
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Solvent naphtha (petroleum), light aromatic	64742-95-6	Not Listed
• Quartz	14808-60-7	Toxic (dust and fiber)

## 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, birth defects or other reproductive harm.

## Section 16 - Other Information

**Relevant Phrases (code & full text)**

- H304 - May be fatal if swallowed and enters airways
- H312 - Harmful in contact with skin
- H340 - May cause genetic defects.
- H350 - May cause cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H411 - Toxic to aquatic life with long lasting effects
- R20 - Harmful by inhalation.
- R20/21 - Harmful by inhalation and in contact with skin.
- R38 - Irritating to skin.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51 - Toxic to aquatic organisms.
- R65 - Harmful: may cause lung damage if swallowed.

**Revision Date**

- 05/March/2018

**Preparation Date**

- 13/June/2012

**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, LLC 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