

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 • **SBS Glass Base Series: SBS Glass, SBS Glass Base SA, SBS Base, SBS Premium Base, SBS Glass Torch Base, MB Base SA, SBS Base P**

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 • Specific Target Organ Toxicity Repeated Exposure 1 - H372

DSD/DPD • Harmful (Xn)
R20

2.2 Label Elements

CLP

DANGER



Hazard statements • H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention • P260 - Do not breathe dust, fume, gas, mist, vapours and/or spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

Response • P314 - Get medical advice/attention if you feel unwell.

Storage/Disposal • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



Risk phrases • R20 - Harmful by inhalation.

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 • Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements • Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention • Do not breathe dust, fume, gas, mist, vapours and/or spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.

Response • Get medical advice/attention if you feel unwell.

Storage/Disposal • 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 • Other Toxic Effects - D2B

2.2 Label elements

WHMIS



WHMIS

• 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).

2.4 Other information

- The calcium carbonate is bound in an asphalt matrix, neither of which is expected to be released. The sand and granules are applied to the asphalt surface in such a manner that nominal release from the surface is anticipated.

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
Asphalt	CAS:8052-42-4 EINECS:232-490-9	40% TO 85%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Inhalation-Rat LC50 • >94.4 mg/m ³	EU DSD/DPD: Self Classified: Carc. 3; R40 EU CLP: Self Classified: Carc. 2, H351 OSHA HCS 2012: Carc. 2	Bound in an asphalt matrix
Limestone	CAS:1317-65-3 EC Number:215-279-6	0% TO 35%	NDA	EU DSD/DPD: Self Classified: Xn R48/20 EU CLP: Self Classified: STOT RE 1 (Lungs), H372 OSHA HCS 2012: STOT RE 1 (Lungs)	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	CAS:64742-52-5 EC Number:265-155-0	0% TO 10%	NDA	EU DSD/DPD: Annex I: Carc.Cat.2; R45 EU CLP: Annex VI: Carc. 1B, H350 OSHA HCS 2012: Skin Irrit. 2	NDA
Quartz	CAS:14808-60-7 EC Number:238-878-4	< 10%	NDA	EU DSD/DPD: Self Classified: Carc 1; R45 EU CLP: Self Classified: Carc. 1A, H350 OSHA HCS 2012: Carc. 1A	Only nominal amounts released
Fibrous Glass	NDA	2% TO 5%	NDA	EU DSD/DPD: Not Classified - Criteria not met EU CLP: Not Classified - Criteria not met OSHA HCS 2012: Not Classified - Criteria not met	Bound within the oxidized-asphalt matrix of this product
Talc	CAS:14807-96-6 EC Number:238-877-9	0% TO 1%	NDA	EU DSD/DPD: Self Classified: N R48/20 EU CLP: Self Classified: STOT RE 1, H372 OSHA HCS 2012: STOT RE 1 (Lungs)	Only nominal amounts released

Formaldehyde	CAS:50-00-0 EC Number:200-001-8	N/A	Ingestion/Oral-Rat LD50 • 100 mg/kg Inhalation-Rat LC50 • 203 mg/m ³ Skin-Rabbit LD50 • 270 mg/kg	EU CLP: Community workplace exposure limit	NDA
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See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.
- Skin**
- Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.
- Eye**
- If foreign matter enters eyes, immediately flush with large amounts of water for at least 15 minutes or until irritation subsides. If irritation develops, or persists, seek medical attention.
- Ingestion**
- Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.

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.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- Use water, foam, CO₂ or dry chemical extinguishers to contain fire.

- Unsuitable Extinguishing Media**
- No data available.

- Firefighting Procedures**
- Fire fighters should avoid inhaling any combustion products.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Burning of this product will produce thick black smoke.

- Hazardous Combustion Products**
- If burned, the materials could release toxic fumes and smoke. Incomplete thermal oxidation can produce hydrogen cyanide, carbon monoxide, carbon dioxide, ammonia, formaldehyde and other low molecular weight hydrocarbons and oxides or sulfur, nitrogen, calcium and magnesium.

5.3 Advice for firefighters

- Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing to avoid smoke inhalation and lack of oxygen.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not touch damaged packages or spilled material.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.

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

- Pick up large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water. These procedures will help to minimize potential exposures. Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

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

- Do not breathe dusts or fumes generated from cutting or heating this material. Use this product with adequate ventilation. Always wash work clothes separately from other clothing. Wash thoroughly after handling. Use personal protective equipment as described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store indoors in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition.

Special Packaging Materials

- No data available.

Incompatible Materials or Ignition Sources

- This product will react with strong oxidizing agents, reducing agents, strong acids and alkalis.

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 British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	1 ppm Ceiling	0.3 ppm Ceiling	Not established	2 ppm Ceiling; 2.4 mg/m ³ Ceiling
	TWAs	Not established	0.3 ppm TWA	Not established	0.5 ppm TWA	Not established
	STELs	Not established	Not established	Not established	1.5 ppm STEL	Not established
Talc (14807-96-6)	TWAs	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate)	2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	3 mg/m ³ TWA (respirable mass); 6 mg/m ³ TWA (total mass)
	STELs	Not established	20 mg/m ³ STEL	Not established	Not established	Not established

Limestone (1317-65-3)	TWAs	Not established	10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction)	Not established	10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica)	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.025 mg/m3 TWA (respirable)	0.025 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable mass); 0.3 mg/m3 TWA (total mass)
Asphalt (8052-42-4)	TWAs	0.5 mg/m3 TWA (fume, inhalable fraction, as benzene soluble aerosol)	0.5 mg/m3 TWA (inhalable fume, as Benzene-soluble aerosol)	0.5 mg/m3 TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m3 TWA (petroleum fumes)	5 mg/m3 TWA (Petroleum fumes)
	STELs	Not established	Not established	Not established	Not established	10 mg/m3 STEL (Petroleum fumes)

Exposure Limits/Guidelines (Con't.)

	Result	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec	Canada Yukon
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	2 ppm Ceiling; 2.4 mg/m3 Ceiling	1.5 ppm Ceiling	2 ppm Ceiling; 3 mg/m3 Ceiling	2 ppm Ceiling; 3 mg/m3 Ceiling
	STELs	Not established	Not established	1.0 ppm STEL	Not established	Not established
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	3 mg/m3 TWA (respirable mass); 6 mg/m3 TWA (total mass)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	3 mg/m3 TWAEV (respirable dust)	20 mppcf TWA
Limestone (1317-65-3)	TWAs	Not established	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	Not established	10 mg/m3 TWAEV (Limestone, containing no Asbestos and <1% Crystalline silica, total dust)	30 mppcf TWA; 10 mg/m3 TWA
	STELs	Not established	Not established	Not established	Not established	20 mg/m3 STEL
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable mass); 0.3 mg/m3 TWA (total mass)	0.10 mg/m3 TWA (designated substance regulation, respirable)	0.1 mg/m3 TWAEV (respirable dust)	300 particle/mL TWA (listed under Silica)
Asphalt (8052-42-4)	TWAs	0.5 mg/m3 TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m3 TWA (Petroleum fumes)	0.5 mg/m3 TWA (fume, inhalable, as Benzene-soluble aerosol)	5 mg/m3 TWAEV (fume)	5 mg/m3 TWA (fume)
	STELs	Not established	10 mg/m3 STEL (Petroleum fumes)	Not established	Not established	10 mg/m3 STEL (fume)

Exposure Limits/Guidelines (Con't.)

	Result	NIOSH	OSHA	United States - California
Formaldehyde (50-00-0)	STELs	Not established	2 ppm STEL (see 29 CFR 1910.1048)	2 ppm STEL
	TWAs	0.016 ppm TWA	0.75 ppm TWA	0.75 ppm PEL
	Ceilings	0.1 ppm Ceiling (15 min)	Not established	Not established
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)	Not established	2 mg/m3 PEL (respirable dust, containing no Asbestos fibers, <1% Crystalline silica)

Limestone (1317-65-3)	TWAs	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	Not established
Quartz (14808-60-7)	TWAs	0.05 mg/m3 TWA (respirable dust)	Not established	0.3 mg/m3 PEL (total dust); 0.1 mg/m3 PEL (respirable dust)
Asphalt (8052-42-4)	TWAs	Not established	Not established	5 mg/m3 PEL (fume)
	Ceilings	5 mg/m3 Ceiling (fume, 15 min)	Not established	Not established

Exposure Limits Supplemental OSHA

- Quartz (14808-60-7): **Mineral Dusts:** ((30)/(%SiO2 + 2) mg/m3 TWA, total dust; (250)/(%SiO2 + 5) mppcf TWA, respirable fraction; (10)/(%SiO2 + 2) mg/m3 TWA, respirable fraction)
- Talc (14807-96-6): **Mineral Dusts:** (20 mppcf TWA (if 1% Quartz or more, use Quartz limit))

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- Respiratory protection is not normally required. Use a NIOSH approved/certified respiratory when the exposure limits are exceeded. Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

Eye/Face

- Safety glasses with side shields should be worn at a minimum.

Hands

- Leather or cotton gloves may be worn to prevent skin contact and irritation.

Skin/Body

- Normal work clothing (long sleeved shirts and long pants) is recommended.

General Industrial Hygiene Considerations

- Use good industrial hygiene practices in handling this material. Availability of eye wash fountains are recommended.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

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

NIOSH = National Institute of Occupational Safety and Health

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

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

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Black mat with sand, ceramic and/or plastic film covered surface and an asphalt odor.
Color	Black	Odor	Asphalt odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Insoluble
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		

Volatility

Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		

Flammability

Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not flammable.		

Environmental

Octanol/Water Partition coefficient	Data lacking		
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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 conditions of use.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Keep away from heat, ignition sources and incompatible materials.

10.5 Incompatible materials

- This product will react with strong oxidizing agents, reducing agents, strong acids and alkalis.

10.6 Hazardous decomposition products

- Burning will produce smoke, carbon monoxide, and carbon dioxide.

Section 11 - Toxicological Information**11.1 Information on toxicological effects**

Components		
Limestone (0% TO 35%)	1317-65-3	Multi-dose Toxicity: Inhalation-Rat TCLO • 250 mg/m ³ 2 Hour(s) 24 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i> Fibrosis, focal (pneumoconiosis)
Asphalt (40% TO 85%)	8052-42-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; <i>Gastrointestinal:</i> Hypermotility, diarrhea; Inhalation-Rat LC50 • >94.4 mg/m ³ ; Mutagen: DNA adduct • Skin-Mouse • 600 mg/kg; Tumorigen / Carcinogen: Skin-Mouse TDLo • 130 g/kg 81 Week(s)-Intermittent; <i>Tumorigenic:</i> Carcinogenic by RTECS criteria; <i>Lungs, Thorax, or Respiration:</i> Tumors; <i>Skin and Appendages:</i> Other:Tumors
Quartz (< 10%)	14808-60-7	Acute Toxicity: Inhalation-Rat TCLO • 200 mg/kg; <i>Lungs, Thorax, or Respiration:</i> Fibrosis, focal (pneumoconiosis); <i>Lungs, Thorax, or Respiration:</i> Other changes; <i>Nutritional and Gross Metabolic:</i> Changes in Chemistry or Temperature:Fe; Tumorigen / Carcinogen: Inhalation-Rat TCLO • 50 mg/m ³ 6 Hour(s) 71 Week(s)-Intermittent; <i>Tumorigenic:</i> Carcinogenic by RTECS criteria; <i>Liver:</i> Tumors

Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) (0% TO 10%)	64742-52-5	Irritation: Skin-Rabbit • 500 mg • Severe irritation
Talc (0% TO 1%)	14807-96-6	Irritation: Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; Tumorigen / Carcinogen: Inhalation-Rat • 11 mg/m ³ 1 Year(s)-Intermittent; <i>Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration: Tumors</i>

GHS Properties	Classification
Acute toxicity	EU/CLP • Acute Toxicity - Oral - Classification criteria not met OSHA HCS 2012 • Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-RE	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 1 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

Medical Conditions Aggravated by Exposure Potential Health Effects

- Pre-existing lung conditions which may be aggravated if fumes/dusts are inhaled.

Inhalation

Acute (Immediate)

- Temporary irritation of nose and throat may occur.

Chronic (Delayed)

- This product contains crystalline silica which is listed by IARC as a suspect carcinogen. Silicosis (pulmonary fibrosis or severe lung scarring) may occur if exposed to high levels or repeated encounters with dust. Exposure to airborne particles that exceed the limits listed may cause lung cancer. This product also contains petroleum asphalt. If heated, there is limited evidence that derivatives of asphalt fumes may cause carcinogenic effects in animals. There is inadequate evidence to support that asphalt fumes alone are carcinogenic to humans.

Skin

Acute (Immediate)

- Mechanical irritation of the skin/skin abrasion may occur characterized by itching or redness.

Chronic (Delayed)

- No data available

Eye

- Acute (Immediate)**
 - Mechanical irritation of the eye may occur characterized by itching or redness.
- Chronic (Delayed)**
 - No data available.
- Ingestion**
- Acute (Immediate)**
 - Ingestion of this product unlikely.
- Chronic (Delayed)**
 - No data available.
- Carcinogenic Effects**
 - When used under normal conditions, this product is not considered a carcinogen. Based upon the newly published IARC classifications for bitumen/asphalt fumes, it has been determined that the IARC carcinogen designation does not apply to this material as it does not contain material identified by IARC. This product contains crystalline silica. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans, IARC (Group I). Crystalline Silica is classified as a Known Carcinogen according to the NTP.

Carcinogenic Effects				
	CAS	OSHA	IARC	NTP
Formaldehyde	50-00-0	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen
Quartz	14808-60-7	Not Listed	Group 1-Carcinogenic	Known Human Carcinogen
Asphalt	8052-42-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed

Key to abbreviations

- LC = Lethal Concentration
- LD = Lethal Dose
- SEV = Severe
- TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

- No information available for the product.

12.2 Persistence and degradability

- No information available for the product.

12.3 Bioaccumulative potential

- No information available for the product.

12.4 Mobility in Soil

- No information available for the product.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

Ecological Fate

- No information available for the product.

12.7 Other Information

- This product has not been tested. Based on information related to all raw materials in the finished product it is not expected to harm ecosystems through its applied use.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

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

Packaging waste

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

Section 14 - Transport Information

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

14.6 Special precautions for user

- None known.

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

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Chronic

State Right To Know					
Component	CAS	MA	MN	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes	Yes
Formaldehyde	50-00-0	Yes	Yes	Yes	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	No	No	No	No
Limestone	1317-65-3	Yes	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Asphalt	8052-42-4	Yes	No	Yes	Yes	No
Formaldehyde	50-00-0	Yes	No	Yes	Yes	No
Hydrotreated heavy naphthenic distillates	64742-52-5	Yes	No	Yes	Yes	No

(petroleum) (Highly Refined)						
Limestone	1317-65-3	No	Yes	Yes	Yes	No
Quartz	14808-60-7	Yes	No	Yes	Yes	No
Talc	14807-96-6	Yes	No	Yes	Yes	No

Inventory (Con't.)		
Component	CAS	TSCA
Asphalt	8052-42-4	Yes
Formaldehyde	50-00-0	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes
Limestone	1317-65-3	Yes
Quartz	14808-60-7	Yes
Talc	14807-96-6	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Formaldehyde	50-00-0	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Demographic, medical and occupational history; Records of personal exposure; Standardised respiratory questionnaire to be completed; Standardised respiratory function test, for example, FEV1, FVC and FEV1/FVC; Chest X-ray full size PA view

Australia - High Volume Industrial Chemicals List

• Formaldehyde	50-00-0	
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	
• Asphalt	8052-42-4	
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	

Australia - List of Designated Hazardous Substances - Classification

• Formaldehyde	50-00-0	T, C Carc.Cat.3 R40, R23/24/25, R34, R43
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Carc.Cat.2 R45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Self classification required (containing no asbestos)

		fibres)
• Asphalt	8052-42-4	Self classification required (petroleum fumes)
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Self classification required

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Formaldehyde	50-00-0	10 tonne/yr Threshold category 1
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Formaldehyde	50-00-0	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Australia - Priority Existing Chemical Program

• Formaldehyde	50-00-0	Full assessment - report published December 2006
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Formaldehyde	50-00-0	A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol)
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	D2A
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	D2A
		D2A (In certain cases, this classification does not apply. For more information, consult

• Quartz	14808-60-7	the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.)
Canada - WHMIS - Ingredient Disclosure List		
• Formaldehyde	50-00-0	0.1 %
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	1 %

Environment

Canada - CEPA - Priority Substances List

• Formaldehyde	50-00-0	Priority Substance List 2 (substance considered toxic)
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Europe

Other

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

• Formaldehyde	50-00-0	T; R23/24/25 C; R34 Carc.Cat.3; R40 R43
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Carc.Cat.2; R45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	0.2%<=C: R:43 25%<=C: T; R:23/24/25 5%<=C<25%: Xn; R:20/21/22 25%<=C: C; R:34 5%<=C<25%: Xi; R:36/37/38
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	T R:23/24/25-34-40-43 S:(1/2) -26-36/37/39-45-51
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	T R:45 S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	B, D
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	L
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	S:(1/2)-26-36/37/39-45-51
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Mexico**Other****Mexico - Hazard Classifications**

• Formaldehyde	50-00-0	Hazard Class = 3 (8) PG = III UN1198; Hazard Class = 8 PG = III (with not <25% formaldehyde) UN2209
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Mexico - Regulated Substances

• Formaldehyde	50-00-0	UN1198; UN2209 (with not <25% formaldehyde)
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

United States

Labor

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

• Formaldehyde	50-00-0	1000 lb TQ
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Formaldehyde	50-00-0	2 ppm STEL (Irritant and potential cancer hazard, See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

Environment

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

• Formaldehyde	50-00-0	
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	100 lb final RQ; 45.4 kg final RQ
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	100 lb EPCRA RQ
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed

• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	500 lb TPQ
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	0.1 % de minimis concentration
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Hazardous Substances

• Formaldehyde	50-00-0	
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Priority Pollutants

• Formaldehyde	50-00-0	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

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

• Formaldehyde	50-00-0	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

United States - California

Environment

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

• Formaldehyde	50-00-0	carcinogen, initial date 1/1/88 (gas)
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)

United States - New Jersey

Environment

U.S. - New Jersey - Special Health Hazards Substances List

• Formaldehyde	50-00-0	carcinogen; corrosive; flammable - fourth degree; mutagen
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	carcinogen
• Asphalt	8052-42-4	flammable - third degree
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	carcinogen

United States - Pennsylvania

Labor

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

• Formaldehyde	50-00-0	
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Not Listed
• Asphalt	8052-42-4	Not Listed
• Limestone	1317-65-3	Not Listed
• Quartz	14808-60-7	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Formaldehyde	50-00-0	Toxic; Flammable; Carcinogen
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Talc	14807-96-6	Toxic (powder or fibrous)
• Asphalt	8052-42-4	Toxic; Flammable
• Limestone	1317-65-3	Toxic
• Quartz	14808-60-7	Toxic (dust and fiber)

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date	• 26/January/2018
Preparation Date	• 17/October/2008
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