

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 • ISOGARD™ HD Cover Board

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 2015/830]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

2.3 Other hazards

OSHA HCS 2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to: WHMIS 2015

2.1 Classification of the substance or mixture

WHMIS 2015

- Not classified

2.2 Label elements

WHMIS 2015

Hazard statements • No label element(s) required

Precautionary statements

2.3 Other hazards

WHMIS 2015

- In Canada, the product mentioned above is not 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.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Calcium mon carbonate	CAS:471-34-1 EC Number:207-439-9	26% TO 39%	Ingestion/Oral-Rat LD50 • 6450 mg/kg	EU CLP: Skin Irrit. 2 H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2 WHMIS 2015: Skin Irrit. 2; Eye Irrit. 2	NDA
Fibre glass	CAS:65997-17-3 EC Number:266-046-0	3% TO 13%	NDA	EU CLP: Not Classified OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA
2-Propanol, 1-chloro-, 2,2',2"-phosphate	CAS:13674-84-5 EC Number:237-158-7	3% TO 4%	Ingestion/Oral-Rat LD50 • 1500 mg/kg	EU CLP: Acute Tox. 4, H302 OSHA HCS 2012: Acute Tox. 4 (orl) WHMIS 2015: Acute Tox. 4 (orl)	NDA
2-Methylbutane	CAS:78-78-4 EC Number:201-142-8 EU Index:601-085-00-2	0.4% TO 0.7%	Inhalation-Rat LC50 • 280000 mg/m ³ 4 Hour (s)	EU CLP: Annex VI, Table 3.1: Flam. Liq. 1, H224; Asp. Tox. 1, H304; STOT SE 3: Narc., H336; Aquatic Chronic 2, H411 OSHA HCS 2012: Flam. Liq. 1; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3: Resp. Irrit.; STOT SE 3: Narc.; Asp. Tox. 1 WHMIS 2015: Flam. Liq. 1; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3: Resp. Irrit.; STOT SE 3: Narc.; Asp. Tox. 1	NDA

Pentane	CAS:109-66-0 EC Number:203-692-4 EU Index:601-006-00-1	0.3% TO 0.6%	Ingestion/Oral-Rat LD50 • >2000 mg/kg Inhalation-Rat LC50 • 364 g/m ³ 4 Hour(s)	EU CLP: Annex VI, Table 3.1: Flam. Liq. 2, H225; STOT SE 3: Narc, H336 (Inhl); Asp. Tox. 1, H304; Aquatic Chronic 2, H411; EUH066 OSHA HCS 2012: Flam. Liq. 2; STOT SE 3: Narc. (Inhl); Asp. Tox. 1 WHMIS 2015: Flam. Liq. 2; STOT SE 3: Narc. (Inhl); Asp. Tox. 1	NDA
---------	---	--------------------	---	---	-----

See Section 16 for full text of H-statements.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion**
- Rinse mouth. Do not give anything by mouth to an unconscious person.

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**
- No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Burning of this product will produce thick black smoke. Toxic fumes and vapors may be produced. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Isopentane and n-pentane, highly flammable materials, may be present within this product.
- Hazardous Combustion Products**
- Carbon dioxide and carbon monoxide, phosphorus oxides, and phosphoric acid.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions** • Not applicable.
Emergency Procedures • Not applicable.

6.2 Environmental precautions

- No special precautions necessary.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures** • Avoid generating dust.
 Pick up large pieces. Sweep and 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** • Use only in well ventilated areas. Wear appropriate personal protective equipment. Protect against dust that may be generated by reprocessing, altering or applying this product. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. 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 away from heat, sparks and flame. Store in a cool, dry place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Alberta	Canada British Columbia	Canada Manitoba	Canada New Brunswick
Pentane (109-66-0)	TWAs	1000 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA; 1770 mg/m3 TWA	600 ppm TWA (listed under Pentane, all isomers)	1000 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA; 1770 mg/m3 TWA
	STELs	Not established	Not established	Not established	Not established	750 ppm STEL; 2210 mg/m3 STEL
2-Methylbutane (78-78-4)	TWAs	1000 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA; 1770 mg/m3 TWA	600 ppm TWA (listed under Pentane, all isomers)	1000 ppm TWA (listed under Pentane, all isomers)	Not established
Fibre glass	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic	1 fibre/cm3 TWA as Glass wool fiber	1 fibre/cm3 TWA (fibres >5 µm, with an aspect ratio of >=3:1, as determined by the membrane filter method at 400-450 times magnification (4 mm objective), using phase-contrast illumination, listed under Synthetic	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic	1 fibre/cm3 TWA (fibres >5 µm with a diameter <3 µm, aspect ratio >5:1) as Glass wool fiber

		vitreous fibers) <i>as Glass wool fiber</i>		vitreous fibres) <i>as Glass wool fiber</i>	vitreous fibers) <i>as Glass wool fiber</i>	
Calcium mon carbonate (471-34-1)	TWAs	Not established	10 mg/m3 TWA	Not established	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec
Pentane (109-66-0)	STELs	750 ppm STEL (listed under Pentane, all isomers)	Not established	750 ppm STEL (listed under Pentane, all isomers)	Not established	Not established
	TWAs	600 ppm TWA (listed under Pentane, all isomers)	1000 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA	120 ppm TWAEV; 350 mg/m3 TWAEV
2-Methylbutane (78-78-4)	STELs	750 ppm STEL (listed under Pentane, all isomers)	Not established	750 ppm STEL (listed under Pentane, all isomers)	Not established	Not established
	TWAs	600 ppm TWA (listed under Pentane, all isomers)	1000 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA (listed under Pentane, all isomers)	600 ppm TWA (listed under Pentane, all isomers)	Not established
Fibre glass	STELs	3 fibre/cm3 STEL (respirable fibres, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	Not established	3 fibre/cm3 STEL (respirable fibres, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	Not established	Not established
	TWAs	1 fibre/cm3 TWA (respirable fibres, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	1 fiber/cm3 TWA (respirable fibres: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	1 fibre/cm3 TWA (respirable fibres, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	1 fibre/cm3 TWA (fibres >5 µm in length and an aspect ratio >=3:1 as determined by the membrane filter method at 400-450 times magnification (4 -mm objective), using phase-contrast illumination, respirable, listed under Synthetic Vitreous Fibres (Man Made Mineral Fibres)) <i>as Glass wool fiber</i>	1 fibre/cm3 TWAEV (respirable, listed under Fibres - Artificial Vitreous Mineral Fibres) <i>as Glass wool fiber</i>
Calcium mon carbonate (471-34-1)	STELs	20 mg/m3 STEL (listed under Limestone)	Not established	20 mg/m3 STEL (listed under Limestone)	Not established	Not established
	TWAs	10 mg/m3 TWA (listed under Limestone)	Not established	10 mg/m3 TWA (listed under Limestone)	Not established	10 mg/m3 TWAEV (total dust)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Saskatchewan	Canada Yukon	Europe	NIOSH	OSHA
	TWAs	600 ppm TWA	600 ppm TWA; 1800 mg/m3 TWA	1000 ppm TWA; 3000 mg/m3 TWA	120 ppm TWA; 350 mg/m3 TWA	1000 ppm TWA; 2950 mg/m3 TWA

Pentane (109-66-0)	STELs	Not established	750 ppm STEL; 2250 mg/m3 STEL	Not established	Not established	Not established
	Ceilings	Not established	Not established	Not established	610 ppm Ceiling (15 min); 1800 mg/m3 Ceiling (15 min)	Not established
2-Methylbutane (78-78-4)	TWAs	600 ppm TWA (listed under Pentane, all isomers)	Not established	1000 ppm TWA; 3000 mg/m3 TWA	Not established	Not established
Fibre glass (65997-17-3)	TWAs	1 fibre/cm3 TWA (respirable fibres, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	30 mppcf TWA (dust or fibrous); 10 mg/m3 TWA (dust or fibrous)	Not established	Not established	Not established
Calcium monocarbonate (471-34-1)	TWAs	10 mg/m3 TWA (listed under Limestone)	30 mppcf TWA; 10 mg/m3 TWA	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	Not established
	STELs	Not established	20 mg/m3 STEL	Not established	Not established	Not established

8.2 Exposure controls

Engineering

- No special controls are expected to be needed.

Measures/Controls

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear long sleeves and/or protective coveralls if determined to be needed by the end-user.

Environmental Exposure Controls

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

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

TWAEV = Time-Weighted Average Exposure Value

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

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White rigid cellular sheets coated with white, cream-colored mat with no odor.
Color	White	Odor	Odorless
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	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
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 not indicated.

10.4 Conditions to avoid

- None known.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- No data available.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Pentane (0.3% TO 0.6%)	109-66-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • >2000 mg/kg; Inhalation-Rat LC50 • 364 g/m ³ 4 Hour(s); Inhalation-Human TCLo • 130 mg/m ³ ; Brain and Coverings:Changes in surface EEG; Behavioral:Somnolence (general depressed activity); Behavioral:Headache; Inhalation-Mouse TCLo • 265000 mg/m ³ 5 Minute(s); Behavioral:General anesthetic; Multi-dose Toxicity: Inhalation-Rat TCLo • 116 mg/m ³ 117 Day(s)-Continuous; Brain and Coverings:Other degenerative changes; Vascular:BP lowering not characterized in autonomic section
2-Methylbutane (0.4% TO 0.7%)	78-78-4	Acute Toxicity: Inhalation-Rat LC50 • 280000 mg/m ³ 4 Hour(s)
2-Propanol, 1-chloro-, 2,2',2"-phosphate (3% TO 4%)	13674-84-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1500 mg/kg; Behavioral:Tremor; Behavioral:Convulsions or effect on seizure threshold
Fibre glass (3% TO 13%)	65997-17-3	Tumorigen / Carcinogen: Inhalation-Rat TCLo • 5 mg/m ³ 7 Hour(s) 90 Week(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Blood:Leukemia

Calcium monocarbonate (26% TO 39%)	471-34 -1	Acute Toxicity: Ingestion/Oral-Rat LD50 • 6450 mg/kg; Irritation: Eye-Rabbit • 750 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; Multi-dose Toxicity: Ingestion/Oral-Woman TDLo • 4.08 g/kg 30 Day(s)-Intermittent; Vascular:BP elevation not characterized in autonomic section; Gastrointestinal:Changes in structure or function of endocrine pancreas; Biochemical:Metabolism (intermediary):Effect on inflammation or mediation of inflammation
---------------------------------------	--------------	--

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met WHMIS 2015 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

- Chronic (Delayed)**
 - No data available
- Skin**
 - Acute (Immediate)**
 - Exposure to dust may cause mechanical irritation.
 - Chronic (Delayed)**
 - No data available
- Eye**
 - Acute (Immediate)**
 - Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
 - Chronic (Delayed)**
 - No data available
- Ingestion**
 - Acute (Immediate)**
 - Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
 - Chronic (Delayed)**
 - No data available
- Carcinogenic Effects**
 - Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results.

Carcinogenic Effects		
	CAS	NTP
Fibre glass as Glass wool fiber	NDA	Reasonably Anticipated to be Human Carcinogen

Key to abbreviations

- LC = Lethal Concentration
- LD = Lethal Dose
- TC = Toxic Concentration
- TD = Toxic Dose

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	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
ADN	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
ADR/RID	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Data lacking.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
2-Methylbutane	78-78-4	Yes	Yes	Yes
2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	No	No	No
Calcium mon carbonate	471-34-1	No	No	No
Fibre glass	65997-17-3	Yes	No	Yes
Pentane	109-66-0	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
2-Methylbutane	78-78-4	Yes	No	Yes	No	Yes
2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Yes	No	Yes	No	Yes
Calcium mon carbonate	471-34-1	Yes	No	Yes	No	Yes
Fibre glass	65997-17-3	Yes	No	Yes	No	Yes
Pentane	109-66-0	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	B2
• 2-Methylbutane	78-78-4	B2
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Uncontrolled product according to WHMIS classification criteria (listed under Glass wool); D2A (listed under Mineral wool fiber)
• Calcium monocarbonate	471-34-1	Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	1 %
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

Environment

Canada - CEPA - Priority Substances List

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

Other

Canada - Accelerated Reduction/Elimination of Toxics (ARET)

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

Canada New Brunswick

Environment

Canada - New Brunswick - Ozone Depleting Substances - Schedule A

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

Canada - New Brunswick - Ozone Depleting Substances - Schedule B

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
--	------------	------------

• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

Europe

Other

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	F+; R12 N; R51-53 Xn; R65 R66 R67
• 2-Methylbutane	78-78-4	F+; R12 N; R51-53 Xn; R65 R66 R67
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	F+ Xn N R:12-51/53-65-66-67 S:(2)-9-16-29-33-61-62
• 2-Methylbutane	78-78-4	F+ Xn N R:12-51/53-65-66-67 S:(2)-9-16-29-33-61-62
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	C
• 2-Methylbutane	78-78-4	C
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	S:(2)-9-16-29-33-61-62
• 2-Methylbutane	78-78-4	S:(2)-9-16-29-33-61-62
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

United States

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

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
		(including mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 µm or less)
• Fibre glass as Glass wool fiber		
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2''-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		carcinogen, initial date 7/1/90 (inhalable and biopersistent)
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed

• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	Not Listed

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

• 2-Propanol, 1-chloro-, 2,2',2"-phosphate	13674-84-5	Not Listed
• Pentane	109-66-0	Not Listed
• 2-Methylbutane	78-78-4	Not Listed
• Fibre glass	65997-17-3	Not Listed
• Fibre glass as Glass wool fiber		Not Listed
• Calcium monocarbonate	471-34-1	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)**

- H224 - Extremely flammable liquid and vapour
- H225 - Highly flammable liquid and vapour
- H302 - Harmful if swallowed
- H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects
EUH066 - Repeated exposure may cause skin dryness or cracking.

Revision Date

- 15/January/2018

Preparation Date

- 06/January/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 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