

Safety Data Sheet

GenFlex Roofing Systems

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

1.1 Product identifier

Product Name • Pourable Sealer S-10 Part A

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

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

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

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

2.1 Classification of the substance or mixture

CLP • Not classified

DSD/DPD • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

DSD/DPD

Risk phrases • No label element(s) required

2.3 Other Hazards

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

DSD/DPD • According to European Directive 1999/45/EC this preparation is not considered dangerous.

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

2.1 Classification of the substance or mixture

WHMIS • Not classified

2.2 Label elements

WHMIS • No label element(s) required

2.3 Other hazards

WHMIS • In Canada, the product mentioned above is not 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
Polybutadiene resin	CAS:69102-90-5	50% TO 100%	NDA	EU DSD/DPD: Data Lacking EU CLP: Data Lacking OSHA HCS 2012: Data Lacking	NDA
Carbonic acid calcium salt (1:1)	CAS:471-34-1 EC Number:207-439-9	25% TO 50%	Ingestion/Oral-Rat LD50 • 6450 mg/kg	EU DSD/DPD: Self Classified: Xi, R37 EU CLP: Self Classified: STOT SE 3 - Resp., H335 OSHA HCS 2012: STOT SE 3 - Resp.	NDA
Polyol	NDA	2.5% TO 10%	NDA	EU DSD/DPD: Data Lacking EU CLP: Data Lacking OSHA HCS 2012: Data Lacking	NDA
1-Cyclohexene, 4-vinyl-	CAS:100-40-3 EINECS:202-848-9	< 500ppm	Ingestion/Oral-Rat LD50 • 2560 mg/kg Skin-Rabbit LD50 • 20 mL/kg	EU DSD/DPD: Self Classified: Xi, R38 R67; Carc. Cat. 2; T, R45 EU CLP: Self Classified: Skin Irrit. 2, H315; STOT SE 3 - Narc., H336; Carc. 2, H351 OSHA HCS 2012: Skin Irrit. 2; Carc. 2; STOT SE 3 - Narc.	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**
- Wash skin with soap and water. The mixture of parts A and B must be immediately removed from the skin using Acetone. 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**
- Rinse mouth. Drink 1 - 2 glasses of water. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

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

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Heat from fire can generate flammable vapor. Vapors may be heavier than air. May travel long distances along ground before igniting / flashing back to vapor source. Fine sprays/mists may be combustible at room temperatures below normal flash point. Polyurethane and polyisocyanurates produced from this product in combination with phosphorus containing flame retardants may, when pyrolysed at or above 300°C (572° F) produce toxic by-products.

- Hazardous Combustion Products**
- No data available.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Cool fire exposed containers with water.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not touch or walk through spilled material. Wear appropriate personal protective equipment.
- Emergency Procedures**
- Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Do not flush to sewer or allow to enter waterways.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
Wash contaminated area with soap and water to prevent slips.

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

- Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin and eyes. 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, dry, well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Belgium	Canada Alberta	Canada British Columbia	Canada Manitoba
Carbonic acid calcium salt (1:1) (471-34-1)	TWAs	Not established	Not established	10 mg/m ³ TWA	Not established	Not established
1-Cyclohexene, 4-vinyl- (100-40-3)	TWAs	0.1 ppm TWA	0.1 ppm TWA; 0.45 mg/m ³ TWA	0.1 ppm TWA; 0.4 mg/m ³ TWA	0.1 ppm TWA	0.1 ppm TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
Carbonic acid calcium salt (1:1) (471-34-1)	TWAs	Not established	5 mg/m ³ TWA (respirable mass); 10 mg/m ³ TWA (total mass)	Not established	5 mg/m ³ TWA (respirable mass); 10 mg/m ³ TWA (total mass)	Not established
1-Cyclohexene, 4-vinyl- (100-40-3)	TWAs	0.1 ppm TWA; 0.44 mg/m ³ TWA	Not established	0.1 ppm TWA	Not established	0.1 ppm TWAEV
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	Denmark	NIOSH

Carbonic acid calcium salt (1:1) (471-34-1)	TWAs	10 mg/m3 TWAEV (total dust)	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)
	STELs	Not established	Not established	20 mg/m3 STEL	Not established	Not established
1-Cyclohexene, 4-vinyl- (100-40-3)	TWAs	Not established	0.1 ppm TWA	Not established	0.1 ppm TWA; 0.4 mg/m3 TWA	Not established

Exposure Control Notations

Germany TRGS

•1-Cyclohexene, 4-vinyl- (100-40-3): **Carcinogens:** (Category 3) | **Developmental Toxins:** (Based on current data, this substance can not be classified in categories 1-3) | **Reproductive Toxins:** (Category 3) | **Germ Cell Mutagens:** (Based on current data, this substance can not be classified in categories 1-3)

Germany DFG

•1-Cyclohexene, 4-vinyl- (100-40-3): **Carcinogens:** (Category 2 (considered to be carcinogenic for man)) | **Skin:** (skin notation)

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.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves. Wear appropriate chemical resistant clothing.

General Industrial Hygiene Considerations

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

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

TWAEV = Time-Weighted Average Exposure Value

NIOSH = National Institute of Occupational Safety and Health

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

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

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Light gray, viscous liquid with a mild odor.
Color	Light gray.	Odor	Mild 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	= 1.288 Water=1	Water Solubility	Data lacking
Solvent Solubility	Data lacking	Viscosity	Data lacking
Explosive Properties	Not explosive.	Oxidizing Properties:	Not an oxidizer.

Volatility

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

Flammability

Flash Point	365 °F(185 °C) TCC (Tagliabue Closed Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
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

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Heat, flames, sparks.

10.5 Incompatible materials

- Oxidizing agents.

10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, and hydrocarbons.

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

		Components
Carbonic acid calcium salt (1:1) (25% TO 50%)	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
1-Cyclohexene, 4-vinyl- (< 500ppm)	100-40-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2560 mg/kg; Irritation: Eye-Rabbit • 0.005 mL • Mild irritation; Skin-Rabbit • 0.01 mL • Moderate irritation; Reproductive: Ingestion/Oral-Mouse TDLo • 5500 mg/kg (8-18D preg); <i>Reproductive Effects:Effects on Newborn:Biochemical and metabolic; Reproductive Effects:Effects on Newborn:Other postnatal measures or effects;</i> Tumorigen / Carcinogen: Ingestion/Oral-Mouse • 103 g/kg 2 Year(s)-Intermittent; <i>Tumorigenic:Neoplastic by RTECS criteria; Reproductive Effects:Tumorigenic Effects:Ovarian tumors</i>

GHS Properties**Classification**

Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • 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 • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

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

Potential Health Effects

Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

Skin

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • Ingestion of Calcium carbonate can cause kidney stones.

Carcinogenic Effects		
	CAS	IARC
1-Cyclohexene, 4-vinyl-	100-40-3	Group 2B-Possible Carcinogen

Key to abbreviations

- LD = Lethal Dose SEV = Severe
- MLD = Mild TD = Toxic Dose
- MOD = Moderate

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	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA
ADN	NDA	Not regulated	NDA	NDA	NDA
ADR/RID	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

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

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
1-Cyclohexene, 4-vinyl-	100-40-3	Yes	Yes	Yes
Carbonic acid calcium salt (1:1)	471-34-1	No	No	No
Polybutadiene resin	69102-90-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
1-Cyclohexene, 4-vinyl-	100-40-3	Yes	No	Yes	No	Yes
Carbonic acid calcium salt (1:1)	471-34-1	Yes	No	Yes	No	Yes
Polybutadiene resin	69102-90-5	Yes	No	No	No	Yes

Belgium**Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Europe

Other

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Environment

Germany - TA Luft - Types and Classes

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	ID Number 317, not considered hazardous to water

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	ID Number 2425, hazard class 2 - hazard to waters
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	carcinogen, initial date 5/1/96
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

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

• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed

• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	female reproductive toxicity, initial date 8/7/09
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	male reproductive toxicity, initial date 8/7/09
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

United States - Pennsylvania

Labor		
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	471-34-1	Not Listed

United States - Rhode Island

Labor		
U.S. - Rhode Island - Hazardous Substance List		
• Polybutadiene resin	69102-90-5	Not Listed
• 1-Cyclohexene, 4-vinyl-	100-40-3	Not Listed
• Carbonic acid calcium salt (1:1)	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, birth defects or other reproductive harm.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H315 - Causes skin irritation
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H351 - Suspected of causing cancer.
- R37 - Irritating to respiratory system.
- R38 - Irritating to skin.
- R45 - May cause cancer.
- R67 - Vapours may cause drowsiness and dizziness.

Revision Date

- 15/January/2018

Preparation Date

- 06/January/2012

Other Information

Disclaimer/Statement of Liability

- Changes to this revision: Updated mailing address.
- 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