

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 Metal Flash AL**

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 • Skin Irritation 2 - H315

DSD/DPD • Irritant (Xi)
R38

2.2 Label Elements

CLP

WARNING

Hazard statements • H315 - Causes skin irritation

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.
P280 - Wear protective gloves .

Response • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment, see supplemental first aid information.
P362 - Take off contaminated clothing and wash before reuse.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

DSD/DPD



Risk phrases • R38 - Irritating to skin.

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
- Skin Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • Causes skin irritation

Precautionary statements

- Prevention** • Wash thoroughly after handling.
Wear protective gloves .
- Response** • If on skin: Wash with plenty of water.
Specific treatment, see supplemental first aid information.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.

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).

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
Asphalt	CAS:8052-42-4 EINECS:232-490-9	40% TO 60%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Inhalation-Rat LC50 • >94.4 mg/m ³	EU DSD/DPD: Xi R38 EU CLP: Skin Irrit 2, H315 OSHA HCS 2012: Skin Irrit 2	NDA
Fibrous Glass	NDA	< 2%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

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

- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

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

Ingestion

- Obtain medical attention immediately if ingested.

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 • Alcohol foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media • No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Combustion of this product produces dense black smoke.

Hazardous Combustion Products • Carbon dioxide, carbon monoxide and partially burned carbon.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • Ventilate enclosed areas.

Emergency Procedures • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Pick up large pieces. Sweep and scoop up material and put into a suitable container for disposal.

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, avoid direct contact. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. 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 • Store in a cool, dry, well-ventilated place. Store away from heat, sparks and flame.

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
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m ³ TWA (fume)	5 mg/m ³ TWA (Petroleum; Bitumen, fume)	0.5 mg/m ³ TWA (inhalable fume, as Benzene-soluble aerosol)	0.5 mg/m ³ TWA (fume, inhalable fraction, as Benzene soluble aerosol)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
				0.5 mg/m ³ TWA		0.5 mg/m ³ TWA

Asphalt (8052-42-4)	TWAs	5 mg/m ³ TWA (petroleum fumes)	5 mg/m ³ TWA (Petroleum fumes)	(fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (Petroleum fumes)	(fume, inhalable, as Benzene-soluble aerosol)
	STELs	Not established	10 mg/m ³ STEL (Petroleum fumes)	Not established	10 mg/m ³ STEL (Petroleum fumes)	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	Denmark	NIOSH
Asphalt (8052-42-4)	TWAs	5 mg/m ³ TWAEV (fume)	0.5 mg/m ³ TWA (fume and inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (fume)	1 mg/m ³ TWA (Cyclohexane fraction of total dust, fume)	Not established
	STELs	Not established	Not established	10 mg/m ³ STEL (fume)	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	Not established

Exposure Control Notations

ACGIH

•Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))

Germany DFG

•Asphalt (8052-42-4): **Skin:** (skin notation (aerosol and vapour))

Exposure Limits Supplemental

ACGIH

•Asphalt (8052-42-4): **BEIs:** (Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)) |

TLV Basis - Critical Effects: (eye and upper respiratory tract irritation (fume))

8.2 Exposure controls

Engineering Measures/Controls

- This material is designed to be used outdoors, in roofing applications. 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. 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 protective eyewear (goggles, face shield, or safety glasses) as determined by end-user.

Skin/Body

- Wear appropriate gloves as determined by end-user.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental
Industrial Hygiene

NIOSH = National Institute of Occupational Safety and
Health

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

TLV = Threshold Limit Value determined by the American Conference of
Governmental Industrial Hygienists (ACGIH)

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

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Black with a silver/aluminum finish on one side, Asphalt odor.
Color	Black with a silver/aluminum finish on one side.	Odor	Asphalt odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	Heat of Decomposition	Data lacking
pH	Data lacking	Specific Gravity/Relative Density	Data lacking
Density	Data lacking	Bulk Density	Data lacking
Water Solubility	Insoluble	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	Not relevant	UEL	Not relevant
LEL	Not relevant	Burning Rate Test	Not relevant
Flammability (solid, gas)	Not flammable.		
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

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available

10.5 Incompatible materials

- May react with strong oxidizing and reducing materials and acids.

10.6 Hazardous decomposition products

- Incomplete combustion can produce carbon monoxide. Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen. The mixed and cured product will also release hydrogen cyanide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Asphalt (40% TO 60%)	8052-42-4	<p>Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; <i>Gastrointestinal:Hypermotility, diarrhea</i>; Inhalation-Rat LC50 • >94.4 mg/m³;</p> <p>Mutagen: Micronucleus test • Unreported Route-Rat • Other Cell Type • 57.8 µg/L;</p> <p>Tumorigen / Carcinogen: Skin-Mouse TDLo • 905 g/kg 2 Year(s)-Intermittent; <i>Tumorigenic:Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors</i>; <i>Skin and Appendages:Other:Tumors</i></p>

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

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)

- Causes skin irritation. 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.

Key to abbreviations

LC = Lethal Concentration

Section 12 - Ecological Information**12.1 Toxicity**

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

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

Packaging waste

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

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	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

- Not relevant.

Marpol and the IBC Code

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Asphalt	8052-42-4	Yes	No	Yes	No	Yes

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

• Asphalt	8052-42-4	Not Listed
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Bulgaria

Environment

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

• Asphalt	8052-42-4	Not Listed
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Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Asphalt	8052-42-4	Not Listed
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Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Asphalt	8052-42-4	Not Listed
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Canada

Labor

Canada - WHMIS - Classifications of Substances

• Asphalt	8052-42-4	Not Listed
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Canada - WHMIS - Ingredient Disclosure List

• Asphalt	8052-42-4	Not Listed
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Environment

Canada - CEPA - Priority Substances List

• Asphalt	8052-42-4	Not Listed
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Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Asphalt	8052-42-4	Not Listed
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Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
• Asphalt	8052-42-4	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
• Asphalt	8052-42-4	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
• Asphalt	8052-42-4	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
• Asphalt	8052-42-4	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
• Asphalt	8052-42-4	Not Listed

Germany**Labor**

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention		
• Asphalt	8052-42-4	Not Listed
Germany - Immission Control - Qualifying Quantities for Safety Reporting		
• Asphalt	8052-42-4	Not Listed
Germany - TRGS 505 - Specific Lead Regulations		
• Asphalt	8052-42-4	Not Listed
Germany - TRGS 511 - Specific Ammonium Nitrate Regulations		
• Asphalt	8052-42-4	Not Listed

Environment

Germany - TA Luft - Types and Classes		
• Asphalt	8052-42-4	Not Listed
Germany - TA Luft - Emission Limits for Carcinogenic Substances		
• Asphalt	8052-42-4	Not Listed
Germany - TA Luft - Emission Limits for Fibers		
• Asphalt	8052-42-4	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Dusts		
• Asphalt	8052-42-4	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Gases		
• Asphalt	8052-42-4	Not Listed
Germany - TA Luft - Emission Limits for Organic Substances		
• Asphalt	8052-42-4	Not Listed
Germany - Water Classification (VwVwS) - Annex 1		
• Asphalt	8052-42-4	ID Number 326, not considered hazardous to water
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
• Asphalt	8052-42-4	Not Listed
Germany - Water Classification (VwVwS) - Annex 3		

• Asphalt	8052-42-4	Not Listed
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United States

Labor

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

• Asphalt	8052-42-4	Not Listed
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U.S. - OSHA - Specifically Regulated Chemicals

• Asphalt	8052-42-4	Not Listed
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Environment

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

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Asphalt	8052-42-4	Not Listed
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U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Asphalt	8052-42-4	Not Listed
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United States - California

Environment

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

• Asphalt	8052-42-4	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

• Asphalt	8052-42-4	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Asphalt	8052-42-4	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Asphalt	8052-42-4	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Asphalt	8052-42-4	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Asphalt	8052-42-4	Not Listed
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United States - Pennsylvania

Labor

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

• Asphalt	8052-42-4	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
• Asphalt	8052-42-4	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date	<ul style="list-style-type: none"> • 26/January/2018
Preparation Date	<ul style="list-style-type: none"> • 06/January/2012
Other Information	<ul style="list-style-type: none"> • Changes to this revision: Updated mailing address.
Disclaimer/Statement of Liability	<ul style="list-style-type: none"> • 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