

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 • I.S.O. Spray™ R Part B

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

250 West 96th Street
Indianapolis, IN 46260
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]

2.1 Classification of the substance or mixture

CLP • Acute Toxicity Oral 4 - H302
Acute Toxicity Dermal 4 - H312

2.2 Label Elements

CLP

WARNING

Hazard statements • H302 - Harmful if swallowed
H312 - Harmful in contact with skin

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P322 - Specific measures, see supplemental first aid information.

P363 - Wash contaminated clothing before reuse.
P301+P312 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.

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

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Acute Toxicity Oral 4
Acute Toxicity Dermal 4

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • Harmful if swallowed
Harmful in contact with skin

Precautionary statements

Prevention • Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • If on skin: Wash with plenty of water .
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment, see supplemental first aid information.
Take off contaminated clothing and wash it before reuse.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.

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 • 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).

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
Trimethyl-N, 2-Hydroxyethyl-propylenediamine	CAS:82136-26-3 EINECS:279-903-9	<= 2.5%	NDA	EU CLP: Acute Tox. 4, H302; Acute Tox. 4, H312 OSHA HCS 2012: Acute Tox. 4, (Orl, Skn)	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. Get medical attention immediately.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. If irritation develops and persists, get medical attention. Wash contaminated clothing before reuse.

Eye

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

Ingestion

- Do NOT induce vomiting. 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 • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO2 or regular foam.

Unsuitable Extinguishing Media • No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Some may burn but none ignite readily.

Hazardous Combustion • No data available

Products

5.3 Advice for firefighters

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

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

- Keep unauthorized personnel away. Stay upwind. Keep out of low areas.

6.2 Environmental precautions

- Avoid release to the environment.

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.
Never return spills in original containers for re-use.

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. Avoid contact with heat and ignition sources. Wear appropriate personal protective equipment, avoid direct contact. 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

- Keep container tightly closed. Avoid storing in direct sunlight.

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

- No exposure limits/guidelines available for the material or the components.

8.2 Exposure controls

Engineering Measures/Controls

- This adhesive 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Wear protective eyewear (goggles, face shield, or safety glasses).
Skin/Body	<ul style="list-style-type: none"> Wear appropriate gloves. Wear protective clothing
Environmental Exposure Controls	<ul style="list-style-type: none"> 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.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear liquid with slightly sweet odor.
Color	Clear	Odor	Slightly sweet.
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	Density	8.345 lbs/gal
Water Solubility	Negligible < 0.1 %	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

10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

10.4 Conditions to avoid

- Ignition sources and heat.

10.5 Incompatible materials

- Oxidizing agents.

10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Acute toxicity	EU/CLP • Acute Toxicity - Dermal 4; Acute Toxicity - Oral 4 OSHA HCS 2012 • Acute Toxicity - Dermal 4; Acute Toxicity - Oral 4
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

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

Skin

- Acute (Immediate)**
 - Harmful in contact with skin.
- Chronic (Delayed)**
 - No data available.

Eye

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

Ingestion

- Acute (Immediate)**
 - Harmful if swallowed.

Chronic (Delayed) • No data available.

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. Do not attempt to clean or re-use empty containers.

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 specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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 • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Yes	No	Yes	No	No

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Bulgaria

Environment

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

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Environment

Canada - CEPA - Priority Substances List

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine 82136-26-3 Not Listed

Europe

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

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany**Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TRGS 505 - Specific Lead Regulations

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Environment**Germany - TA Luft - Types and Classes**

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TA Luft - Emission Limits for Fibers

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TA Luft - Emission Limits for Inorganic Dusts

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TA Luft - Emission Limits for Inorganic Gases

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - TA Luft - Emission Limits for Organic Substances

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - Water Classification (VwVwS) - Annex 1

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Germany - Water Classification (VwVwS) - Annex 3

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - OSHA - Specifically Regulated Chemicals

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - California - Proposition 65 - Developmental Toxicity

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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United States - Pennsylvania

Labor

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

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Trimethyl-N, 2-Hydroxyethyl-propylenediamine	82136-26-3	Not Listed
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15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date

- 12/October/2015

Preparation Date

- 08/October/2015

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