

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** • **CLAD-GARD™ R Metal Underlayment****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
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Indianapolis, IN 46260
United States

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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** • 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

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

- Hazardous ingredients are encapsulated and are not airborne or of respirable size therefore will not be released or otherwise result in exposure to hazardous chemicals under normal conditions of use.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin

- Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.

Eye

- If foreign matter enters eyes, immediately flush with large amounts of water for at least 15 minutes or until irritation subsides. If irritation develops, or persists, seek medical attention.

Ingestion

- Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

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

Section 5 - Firefighting Measures

5.1 Extinguishing media

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

Unsuitable Extinguishing Media • No data available.

Firefighting Procedures • Fire fighters should avoid inhaling any combustion products.

5.2 Special hazards arising from the substance or mixture

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

Hazardous Combustion Products • Sulfur oxides, hydrogen sulfide, carbon dioxide, carbon monoxide and partially burned carbon.

5.3 Advice for firefighters

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

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Minimize breathing of dusts or fumes generated from cutting or heating this material. Use this product with adequate ventilation. Wash hands thoroughly after handling. Use personal protective equipment as described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

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

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 material is designed to be used outdoors, in roofing applications. Good general ventilation should be adequate to control concentrations of airborne contaminants below applicable threshold limit levels.

Personal Protective Equipment

Respiratory

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

Eye/Face

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

Hands

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

Skin/Body

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

General Industrial Hygiene Considerations

- Use good industrial hygiene practices in handling this material.

Environmental Exposure Controls

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

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	A black membrane with a plastic film surface and a petroleum odor.
Color	Black	Odor	Petroleum
Odor Threshold	Data lacking		
General Properties			
Boiling Point	> 1000 F(> 537.7778 C)	Melting Point/Freezing Point	250 F(121.1111 C)
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1.15 to 1.23 Water=1	Water Solubility	Insoluble
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	3 mmHg (torr) @ 20 C(68 F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	> 535 F(> 279.4444 C) COC (Cleveland Open Cup)	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 conditions of use.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents, reducing agents, strong acids and alkalis. In the event that material becomes molten, do not allow contact with water as splattering will occur.

10.6 Hazardous decomposition products

- Burning will produce smoke, carbon monoxide, and 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 • 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
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)

- Causes a foreign body reaction (mechanical irritation).

- Chronic (Delayed)**
- No data available
- Skin**
- Acute (Immediate)**
- Mechanical irritation of the skin/skin abrasion may occur characterized by itching or redness.
- Chronic (Delayed)**
- No data available
- Eye**
- Acute (Immediate)**
- Mechanical irritation of the eye may occur characterized by itching or redness.
- Chronic (Delayed)**
- No data available.
- Ingestion**
- Acute (Immediate)**
- Ingestion of this product unlikely.
- Chronic (Delayed)**
- No data available.

Section 12 - Ecological Information

12.1 Toxicity

- No information available for the product.

12.2 Persistence and degradability

- No information available for the product.

12.3 Bioaccumulative potential

- No information available for the product.

12.4 Mobility in Soil

- No information available for the product.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- Ecological Fate**
- No information available for the product.

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 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 • None

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens
Not Listed

Bulgaria

Environment

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour
Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute
Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual
Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances
Not Listed

Canada - WHMIS - Ingredient Disclosure List
Not Listed

Environment

Canada - CEPA - Priority Substances List
Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function
Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification
Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits
Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling
Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations
Not Listed

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

Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

Not Listed

Germany - TRGS 505 - Specific Lead Regulations

Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

Not Listed

Environment

Germany - TA Luft - Types and Classes

Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

Not Listed

Germany - TA Luft - Emission Limits for Fibers

Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

Not Listed

Germany - Water Classification (VwVwS) - Annex 1

Not Listed

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

Not Listed

Germany - Water Classification (VwVwS) - Annex 3

Not Listed

United States

Labor

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

Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

Not Listed

Environment

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

United States - California

Environment

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

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

Not Listed

United States - Pennsylvania

Labor

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

Not Listed

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

Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date

- 12/October/2015

Preparation Date

- 29/April/2011

Disclaimer/Statement of Liability

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Key to abbreviations

NDA = No Data Available