

MATERIAL SAFETY DATA SHEET

This MSDS complies with 29 CFR 1910.1200 (OSHA Hazard Communication Standard) and Canadian WHMIS Regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product.

Pass this information on to employees, customers and users of this product.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Protecto-Safseal Roof EPDM Adhesive

Intended Use: Construction Waterproofing Material

Manufacturer: Protecto Wrap Company
1955 South Cherokee Street
Denver, CO 80223

Telephone: (303) 777-3001

Fax: (303) 777-9273

Internet: www.protectowrap.com

HMIS Hazard Ratings

Health 1*

Fire 1

Reactivity 0

Emergency Phone: CHEMTREC: (800) 424-9300

MSDS Date of Preparation: 07/10/02

Prepared by: Denese A. Deeds, CIH Industrial Health & Safety Consultants, Inc. Woodbridge, CT 203-929-3473

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component</u>	<u>CAS No.</u>	<u>Amount</u>	<u>Exposure Limit</u>
Heavy Naphthenic Distillate and/ or Heavy Naphthenic Extract	64742-34-3 64742-11-6	20-50%	5 mg/m ³ PEL/TLV-TWA 10 mg/m ³ TLV-STEL
Highly Aromatic Processing Oil	Not available	5-10%	5 mg/m ³ PEL/TLV-TWA 10 mg/m ³ TLV-STEL
Carbon Black	1333-86-4	10-20%	3.5 mg/m ³ PEL/TLV-TWA
Talc	14807-96-6	10-20%	20 mppcf PEL-TWA 2 mg/m ³ TLV-TWA (respirable fraction)

Non-Hazardous Components >1%: Resins and Polymers 20-50%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a solid tape with a back, blue or white polyethylene film on one side with no odor. Product is not flammable but will burn under fire conditions. May cause mild eye and skin irritation. This product contains petroleum oils that may cause skin cancer.

4. FIRST AID MEASURES

EYE: First check victim for contact lenses and remove if present. Flush victim's eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. If rash or irritation develop, get medical attention.

INGESTION: If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

INHALATION: If symptoms of exposure develop, remove victim to fresh air. If breathing is difficult or symptoms persist get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: >300° F

FLAMMABLE LIMITS: LEL: Not applicable UEL: Not applicable

AUTOIGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Use foam or dry chemical to extinguish fire. Use fog nozzles if water is used. Use water to cool fire exposed containers and structures.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Product will burn if exposed to elevated temperatures or fire. Toxic vapors and gases may be released upon combustion.

SPECIAL FIRE-FIGHTING INSTRUCTIONS: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Do not allow run-off from fire fighting to enter drains or water courses.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, sulfur oxides, nitrogen oxides, and unidentified organic compounds may be formed on combustion.

EXPLOSION DATA (sensitivity to mechanical impact or static discharge): None known.

6. ACCIDENTAL RELEASE MEASURES

Pick up and place into an appropriate container for disposal. If product becomes molten, allow product to cool before picking or scraping up.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with the eyes and skin. This product is not intended to be heated but if product is heated provide adequate ventilation and avoid breathing vapors and mists. Wash with soap and water after use.

STORAGE: Store in a cool, well ventilated area away from excessive heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

RESPIRATORY PROTECTION: None needed under ambient conditions. For firefighting, use self-contained breathing apparatus.

SKIN PROTECTION: Avoid skin contact. Wear appropriate impervious gloves.

EYE PROTECTION: Safety glasses or goggles should be worn where contact is possible.

OTHER: Wear long sleeved shirt and long pants to avoid skin contact. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Solid tape with a black, blue or white polyethylene film on one side with no odor.

PHYSICAL STATE: Solid

BOILING POINT: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Insoluble

BULK DENSITY: 9.54 lbs/gal

SPECIFIC GRAVITY: 1.1

pH: NA

MELTING POINT: Not determined

OCTANOL/WATER COEFFICIENT: No data available

VOC CONTENT: 0%

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.

INCOMPATIBILITY: Strong oxidizers. Avoid water if product is molten.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion or heating to decomposition will produce carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, ketones and unidentified organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INGESTION: No adverse effects are expected from normal use. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: No adverse effects expected at ambient temperatures. This product is not intended to be heated but if it is vapors released may cause respiratory irritation.

EYE: May cause irritation with redness, tearing and blurred vision. Contact with product at elevated temperatures may cause thermal burns.

SKIN: May cause irritation, defatting of the skin and dermatitis. Contact with product at elevated temperatures may cause thermal burns.

SENSITIZATION: This product is not expected to cause sensitization.

CHRONIC/CARCINOGENICITY: No adverse chronic effects expected at ambient temperatures when the product is used as intended. Prolonged skin contact with oils of the type contained in this product has been found to cause skin cancer in mice. Prolonged inhalation overexposure to talc may result in lung damage, pulmonary fibrosis, however, the talc in this product is bound in the polymer matrix and no exposure occurs during normal use. Mineral oils, untreated and mildly treated are listed by IARC as "Carcinogenic to Humans", Group 1. Carbon black is listed by IARC as "Possibly Carcinogenic to Humans", Group 2B.

MUTAGENICITY: No adverse effects from available data.

SYNERGISTIC PRODUCTS: None specifically known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Employees with pre-existing skin and respiratory disorders may be at increased risk from exposure.

ACUTE TOXICITY VALUES:

No acute toxicity data available for components

12. ECOLOGICAL INFORMATION

No ecotoxicity data is available for this product at this time.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

14. TRANSPORT INFORMATION**DOT HAZARDOUS MATERIALS DESCRIPTION:**

Proper Shipping Name: Not Regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15. REGULATORY INFORMATION

CERCLA/SUPERFUND: This product is not subject to CERCLA reporting requirements.

SARA HAZARD CATEGORY (311/312): Acute Health, Chronic Health

SARA 313 INFORMATION: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA INVENTORY: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CALIFORNIA PROPOSITION 65

This product contains the following chemicals known to the State of California to cause cancer:
Untreated and Mildly Treated Mineral Oils

CANADA:

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product (manufactured article).

CANADIAN CEPA: This product is a manufactured article and not subject to CEPA requirements.

16. OTHER INFORMATION

NFPA RATING: Health = 1 Fire = 1 Reactivity = 0

HMIS RATING: Health = 1* Fire = 1 Reactivity = 0

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their

use, handling and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.

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SECTION 1: PRODUCT IDENTIFICATION

Product Names: RubberGard™ EPDM Series
 Chemical Name/Synonym: LSFR, RubberGard™ Max, RubberGard™ Platinum, FlashGard™, RubberGard™ EcoWhite™ EPDM Membrane
 Chemical Family: Mixture, MRS Non-Reinforced EPDM Roofing Membrane, MRS Reinforced EPDM Roofing Membrane
 24-Hour Emergency Phone: (800) 424-9300 CHEMTREC
 Manufacturer's Name: Firestone Building Products Company
 Manufacturer's Address: 250 West 96th Street, Indianapolis, IN 46260
 NFPA Hazard Rating: Health 1, Flammability 1, Reactivity 0
 HMIS Hazard Rating: Health 0, Flammability 1, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Nonhazardous as per 29 CFR 1910.1200.	None	None	100	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: None

Signs and Symptoms of Exposure: No known adverse effects.

Medical Conditions Aggravated by Exposure: Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors.

Chronic Effects: No known adverse effects.

Carcinogenicity: None

SECTION 4: FIRST AID MEASURES

First Aid Procedures: No special action necessary.

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SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Carbon dioxide, foam, sand/earth, or dry chemicals.

Hazardous Combustion Products: Carbon dioxide and carbon monoxide, oxides of nitrogen, sulfur dioxide, and partially burned carbon.

Recommended Fire Fighting Procedures: Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved.

Unusual Fire and Explosion Hazards: Oil 'bleeds' from material when burning.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Not Applicable

Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks, and open flames. Store in a dry area. Storage area should be well ventilated.

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SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Store and use in well ventilated areas.

Respiratory Protection: None recommended.

Eye Protection: None recommended.

Skin Protection: None recommended.

Other: None.

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Work / Hygienic Practices: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Black or white solid with slight rubber odor.		
Flash Point:	Not Applicable	Lower Explosive Limit:	None
Method Used:	Not Applicable	Upper Explosive Limit:	None
Evaporation Rate:	Not Applicable	Boiling Point:	None
pH (undiluted product):	Not Applicable	Melting Point:	Unknown
Solubility in Water:	Insoluble	Specific Gravity:	Varies
Vapor Density:	Not Applicable	Percent Volatile:	Unknown
Vapor Pressure:	Not Applicable		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Heat, sparks, and open flames.

SECTION 10: TRANSPORTATION

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	This product is considered to be a finished article as per 29 CFR 1910.1200 (C) and is, therefore, exempt from the requirements of the Hazard Communication standard.
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Date of Previous MSDS: January 15, 2008

Changes Since Previous MSDS: new product names added to synonyms in section 1.

Telephone Number for Additional Information: (317) 575-7190

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DISCLAIMER

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, a subsidiary of Bridgestone Americas Holding, Inc. 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.