

SAFETY DATA SHEET

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

IMPORTANT: Read this SDS 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 Form Flash 1 (0624_2020)

Intended Use: Construction Waterproofing Material

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

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Prepared by: Protecto Wrap Company, 1955 S Cherokee St., Denver, CO 80223 (800) 759-9727

2. HAZARDS IDENTIFICATION

This product is a black, opaque, tacky solid without odor. Product is not flammable but will burn under fire conditions. May cause mild eye and skin irritation. Contact with heated product may cause thermal burns. Inhalation of vapors from heated product may cause irritation of the nose, throat, and respiratory system. However, it is a manufactured article as defined in 29 CFR 1200(c) and not considered to be hazardous when used/applied per manufacturer's guidelines.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous</u>		<u>CAS No.</u>	<u>Amount</u>	<u>Exposure Limit</u>
<u>Hazardous Component</u>	<u>Subcomponent</u>			
Asphalt (petroleum; bitumen)		8052-42-4	60-80%	0.5 mg/m ³ TLV-TWA
Calcium Carbonate		1317-65-3	10-20%	5 mg/m ³ PEL-TWA (respirable fraction) 10 mg/m ³ TLV-TWA

Non-Hazardous Components >1%: Resins and Polymers 10-20%;

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 and launder before re-use. (*Discard contaminated shoes*). 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.

DO NOT induce vomiting unless directed by medical personnel. Get medical attention.

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

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam or dry chemical to extinguish fire; fog nozzles if water is used. Water streams may cause violent eruptions spreading burning product. Use water to cool fire exposed containers and structures
Unusual Fire or Explosion Hazards	Product will burn if exposed to elevated temperatures or fire. Hot product may ignite flammable mixtures on contact. Toxic vapors including hydrogen sulfide may be released upon combustion. Hydrogen sulfide vapors are heavier than air, may accumulate in low areas and flashback if ignited.
Special Fire-Fighting Instructions	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Do not allow run-off from firefighting to enter drains or water courses
Hazardous Combustion Products	Carbon monoxide, sulfur oxides, hydrogen sulfide, acrolein, aldehydes, benzaldehydes, ketones, and unidentified organic compounds may be formed on combustion.
Explosion Data (sensitivity to mechanical impact or static discharge)	None Known

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Pick up and place into an appropriate container for disposal. If product becomes molten, allow product to cool before picking or scraping up. Report releases as required by local, state, and federal authorities.

7. HANDLING AND STORAGE

HANDLING: Wear protective clothing/equipment as described in Section 8. Avoid contact with the eyes and skin. If product is heated provide adequate ventilation. Avoid breathing vapors, mists, dust, or fumes. Wash with soap and water after use. Remove duty clothing and launder before reuse.

Do not cut, drill, grind, or weld on or near containers, even empty containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

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 3

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

RESPIRATORY PROTECTION: For situations where the product is heated, hydrogen sulfide may be released. In such conditions, a NIOSH approved positive pressure self-contained breathing apparatus is recommended. Air purifying respirators are not recommended for hydrogen sulfide due to its poor odor warning properties. Equipment selection depends on containment type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. 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. Contact lenses are not recommended when using this product

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance /Odor	black, opaque, tacky solid without odor	Octanol/Water Coefficient	No data available
Autoignition	None Determined	pH	Not applicable
Boiling Point	Not applicable	Relative Density	Not applicable
Bulk Density	Not applicable	Solubility in Water	Insoluble
Decomposition Temperature	Not applicable	Specific Gravity	>1.0
Evaporation Rate	Not applicable	Vapor Density	Not applicable
Flammability	Burns at high temperatures	Vapor Pressure	Not applicable
Flammable Limits	LEL &UEL: none determined	Viscosity	Not applicable
Flash Point	>320° F	VOC Content	0%
Melting Point	Not determined		

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, sulfur oxides, hydrogen sulfide, acrolein, aldehydes, benzaldehydes, ketones, and unidentified organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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. Vapors released from heating product may cause respiratory irritation. At elevated temperatures hydrogen sulfide may be released. The release of hydrogen sulfide gas in various concentrations may cause irritation of the eyes and respiratory tract, headache, dizziness, nausea, and drowsiness. Exposure to high concentrations of hydrogen sulfide can cause respiratory arrest and death.

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 effects expected at ambient temperatures. Prolonged inhalation of asphalt/butyl smoke has been shown to cause bronchitis, pneumonitis, and abscess formation in laboratory animals. Asphalt/butyl fume condensates have been shown to cause tumorigenic responses when repeatedly applied to the skin of laboratory animals. Prolonged inhalation of talc dust may cause lung damage (pulmonary fibrosis), however, the talc in this product is bound in a polymer matrix and dust exposure would not be expected. Asphalt/butyl (petroleum, bitumen) 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:

Asphalt:	Oral Rat LD50 - >5.0 g/kg	Calcium Carbonate:	No data available
	Skin Rabbit LD50 - > 2.0 g/kg		
	Skin Rabbit LD50 – 14100 uL/kg		

12. ECOLOGICAL INFORMATION (non-mandatory)

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

13. DISPOSAL CONSIDERATIONS (non-mandatory)

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

14. TRANSPORT INFORMATION (non-mandatory)

DOT HAZARDOUS MATERIALS DESCRIPTION

Proper Shipping Name:	Not Regulated	Hazard Class/Packing Group:	None
UN Number:	None	Labels Required:	None
North American Emergency Response Guidebook Number	None		

15. REGULATORY INFORMATION (non-mandatory)

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 California All listed ingredients in this product are on the EPA TSCA Inventory

Proposition 65 This product contains the following chemicals known to the State of California to cause cancer, developmental toxicity (birth defects), or male reproductive toxicity None

Canadian EPA All the components are listed on the Canadian DSL (Domestic Substances List) or Non-DSL

Australian NICNAS This chemical can be...imported...for commercial purposes

16. OTHER INFORMATION

NFPA RATING: Health = 1 Fire = 1 Reactivity = 0 **HMIS RATING:** Health = 1¹ 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 purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks regarding 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.

¹ See Section 11 – Toxicological Information