

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: Jiffy Seal Ice and Water Guard Butyl

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: 1/7/10

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a black, opaque solid with a polymer sheeting on one side with a slight odor. Product is not flammable but will burn under fire conditions. In accordance with the definition in the OSHA Hazard Communication Standard, 29CFR 1910.1200 and the Canadian CPR, this product is considered a manufactured article. Under normal conditions of use, it presents no health or physical hazards. If heated, hazardous vapors may be produced. Inhalation may cause irritation of the nose, throat and respiratory system. Potential cancer hazards based on animal data.

3. 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%

4. FIRST AID MEASURES

EYE: None normally required. If dust or fumes or fumes enter eyes, flush eyes with large quantities of water. Get medical attention if irritation persists.

SKIN: No first aid required for normal handling. If rash or irritation develop, get medical attention.

INGESTION: Not a normal use of exposure.

INHALATION: None required for normal handling. If product is heated and exposure to fumes occurs, remove victim to fresh air. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use foam or dry chemical to extinguish fire. Use fog nozzles if water is used. Water streams may cause violent eruptions and spread the burning of asphalt. 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 asphalt 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 fire fighting to enter drains or water courses.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, sulfur oxides, hydrogen sulfide, acrolein, aldehydes, 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

Pick up and place into an appropriate container for disposal or use.

7. HANDLING AND STORAGE

HANDLING: No special handling required for normal use. Wash hands with soap and water. If product is heated, avoid breathing fumes and heat only outdoors or in a very well ventilated area.

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.

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

SKIN PROTECTION: Use leather or cotton gloves to avoid contact.

EYE PROTECTION: Safety glasses should be worn if 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: Black, opaque solid with a white paper sheeting 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 pounds/gallon

SPECIFIC GRAVITY: 1.1

pH: NA

OCTANOL/WATER COEFFICIENT: No data available

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: 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.