

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: Defenseal

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 0

Reactivity 0

Emergency Phone: CHEMTREC: (800) 424-9300

MSDS Date of Preparation: 06/09/03

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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component</u>	<u>CAS No.</u>	<u>Amount</u>	<u>Exposure Limit</u>
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 70-90%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a brown liquid with a latex paint odor. May cause mild eye and skin irritation.

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. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get immediate 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: None

FLAMMABLE LIMITS: LEL: Not applicable UEL: Not applicable

AUTOIGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Use media appropriate for surrounding fire. Use water to cool fire exposed containers and structures.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known.

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 and calcium oxide.

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

6. ACCIDENTAL RELEASE MEASURES

Collect using an inert absorbent material and place in an appropriate container for disposal. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with the eyes and skin. Wash with soap and water after use.

Use with adequate ventilation. This product may contain low levels of volatile organic compounds or ammonia which may evaporate during application and drying.

STORAGE: Store in a cool, well ventilated area away from direct sunlight. Do not store in containers made of aluminum, copper or their alloys.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: General ventilation should be adequate for normal use. In areas where the product is spray applied or dried, local exhaust ventilation may be needed.

RESPIRATORY PROTECTION: For situations where the product is sprayed or in misty conditions, a NIOSH approved respirator with dust/mist cartridges should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

SKIN PROTECTION: Impervious gloves such as rubber are recommended where needed to prevent prolonged / repeated skin contact.

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: Brown liquid with a latex paint odor.

PHYSICAL STATE: Liquid

BOILING POINT: Not available
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
EVAPORATION RATE: Not available
SOLUBILITY IN WATER: Insoluble
BULK DENSITY: Not available
SPECIFIC GRAVITY: Not available
pH: approx 9.0
MELTING POINT: Not available
OCTANOL/WATER COEFFICIENT: No data available
VOC CONTENT: <1%

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and calcium oxide.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INGESTION: Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
INHALATION: Mists may cause irritation of the nose and throat with coughing.
EYE: May cause mild irritation.
SKIN: Prolonged contact may cause irritation.
SENSITIZATION: This product is not expected to cause sensitization.
CHRONIC/CARCINOGENICITY: Prolonged skin contact may cause irritation.
MUTAGENICITY: No adverse effects from available data.
SYNERGISTIC PRODUCTS: None specifically known.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Employees with pre-existing skin disorders may be at increased risk from exposure.

ACUTE TOXICITY VALUES:

Calcium Carbonate: No acute toxicity data available

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

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: Formaldehyde (< 78 ppm) and Crystalline Silica, Quartz (<410 ppm).

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.

16. OTHER INFORMATION

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

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

REVISION SUMMARY: New Product

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.