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 Sealant 25XL

Intended Use: Construction Waterproofing Material

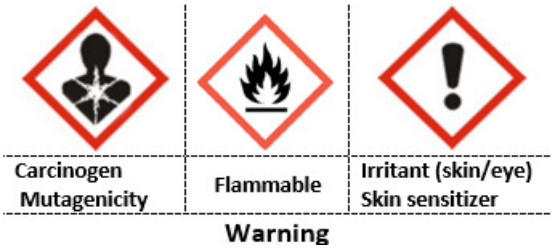
Manufacturer: Protecto Wrap Company
1955 South Cherokee Street
Denver, CO 80223

Telephone: (303) 777-3001
Fax: (303) 777-9273
Internet: www.protectowrap.com

Emergency Phone: **CHEMTREC: (800) 424-9300**

HMIS Hazard Ratings

Health	1[i]
Fire	1
Reactivity	0



SDS Date of Preparation: 9/2013
Prepared by: Denese A. Deeds, CIH Industrial Health & Safety Consultants, Inc. Woodbridge, CT 203-929-3473

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White. Paste. May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.

Acute Potential Health Effects/ Routes of Entry

Inhalation	May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization.
Eyes	Direct contact may cause mild irritation.
Ingestion	May cause gastrointestinal irritation, nausea, and vomiting.
Skin	May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Ingestion, Lung

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Calcium carbonate	471-34-1	30.0 - 60.0
Polyurethane Polymer	NJ TSRN# 51721300-5401P	15.0 - 40.0
Butyl benzyl phthalate	85-68-7	10.0 - 30.0
Calcium Carbonate (Limestone)	1317-65-3	7.0 - 13.0
Diisodecyl phthalate	26761-40-0	3.0 - 7.0
Titanium dioxide	13463-67-7	3.0 - 7.0
Isophorone Diisocyanate	4098-71-9	- <0.1

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.
Eye contact	First check victim for contact lenses and remove if present. Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

5. FIRE FIGHTING MEASURES

Flash point	Not available
Method	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Autoignition temperature	Not available
Extinguishing media	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	Carbon monoxide and carbon dioxide can form. Hydrocyanic acid and nitrogen oxides can form.
Protective equipment for firefighters	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal.

7. HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion and contact with skin, eyes and clothing. Preferably use entire contents in one continuous work session. Do not smoke, weld, generate sparks, or use flame near

container. Change soiled work clothes frequently. Clean hands thoroughly after handling Do not store or use near food. Keep container closed when not in use. Since emptied containers retain product residue and vapor, observe precautions even after container is emptied. Store under dry warehouse conditions away from heat and all ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment

Respiratory protection	Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the SDS. Follow manufacturer's directions for respirator use.
Hand protection	Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
Eye protection	Wear appropriate eye protection. Use safety glasses if eye contact is likely.
Skin and body protection	Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.
Protective measures	Use professional judgment in the selection, care, and use.
Engineering measures	Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the SDS

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium carbonate	471-34-1	OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		ACGIH TWA:	3 mg/m3	Respirable particles.
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Titanium dioxide	13463-67-7	ACGIH TWA:	10 mg/m3	
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Isophorone Diisocyanate	4098-71-9	ACGIH TWA:	0.005 ppm	

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Paste
Color	White
Odor	MildEster
pH	Not available
Vapour pressure	Not available
Vapor density	Heavier than air
Melting point/range	Not available
Freezing point	Not available
Boiling point/range	370°C, 698°F

Water solubility	Negligible
Specific Gravity	1.51
% Volatile Weight	0 %

10. STABILITY AND REACTIVITY

Substances to avoid	Amines. Water or moisture and oxidizing agents. Alcohols. Strong acids. Strong bases.
Stability	Material is stable under normal storage, handling, and use.
Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Calcium carbonate, CAS-No.: 471-34-1

Acute oral toxicity (LD-50 oral)	6,450 mg/kg (Rat)

Butyl benzyl phthalate, CAS-No.: 85-68-7

Acute oral toxicity (LD-50 oral)	13,500 mg/kg (Rat)

Isophorone Diisocyanate, CAS-No.: 4098-71-9

Acute oral toxicity (LD-50 oral)	1,000 mg/kg (Rat) 2,500 mg/kg (Mouse) 2,500 mg/kg (Mouse) 1,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	0.033 mg/l (Rat) 0.123 mg/l (Rat) 0.033 mg/l for 4 h (Rat) 0.123 mg/l for 4 h (Rat)
Acute dermal toxicity (LD-50 dermal)	1,060 mg/kg (Rat) 1,060 mg/kg (Rat)

12. ECOLOGICAL INFORMATION

No Data Available

13. DISPOSAL CONSIDERATIONS

Disposal Method	Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

14. TRANSPORT INFORMATION

TDG / DOT Shipping Description:

NOT REGULATED

15. REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components	None present or none present in regulated quantities.
SARA 311/312 Hazards	Acute Health Hazard

OSHA Hazardous Components:

Calcium carbonate	471-34-1
Calcium Carbonate (Limestone)	1317-65-3
Titanium dioxide	13463-67-7
Isophorone Diisocyanate	4098-71-9

OSHA Status: Considered hazardous based on the following criteria:	Irritant
OSHA Flammability	Not Regulated
Regulatory VOC (less water and exempt solvent)	5 g/l
VOC Method 310	0 %

MASS RTK Components	Calcium carbonate	471-34-1
	Butyl benzyl phthalate	85-68-7
	Calcium Carbonate (Limestone)	1317-65-3
	Titanium dioxide	13463-67-7
	Isophorone Diisocyanate	4098-71-9

U.S. State Regulations:

Penn RTK Components	Calcium carbonate	471-34-1
	Polyurethane Polymer	NJ TSRN# 51721300-5401P
	Butyl benzyl phthalate	85-68-7
	Calcium Carbonate (Limestone)	1317-65-3
	Diisodecyl phthalate	26761-40-0
	Titanium dioxide	13463-67-7
NJ RTK Components	Calcium carbonate	471-34-1
	Polyurethane Polymer	NJ TSRN# 51721300-5401P
	Butyl benzyl phthalate	85-68-7
	Calcium Carbonate (Limestone)	1317-65-3
	Diisodecyl phthalate	26761-40-0

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

117-81-7	Dioctyl phthalate
14808-60-7	Crystalline Silica (Quartz)/Silica Sand
140-88-5	Ethyl Acrylate

16. OTHER INFORMATION

HMIS Rating:

Health	1*	0 = Minimum
Flammability	1	1 = Slight
Reactivity	0	2 = Moderate
PPE		3 = Serious
		4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

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.

[i] See Section 11 – Toxicological Information