

# 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 Liquid Water Proofing Membrane LWM 200**

**Intended Use: Construction Waterproofing Material**

**Manufacturer:** Protecto Wrap Company      **Telephone:** (303) 777-3001  
1955 South Cherokee Street      **Fax:** (303) 777-9273  
Denver, CO 80223      **Internet:** www.protectowrap.com

**Emergency Phone:** ChemTel: Domestic 800-255-3924, International 813-248-0585

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

## 2. HAZARDS IDENTIFICATION

This product is a green liquid with slight odor. May cause mild eye and skin irritation. Product is not flammable. 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 Component</u>	<u>Hazardous Subcomponent</u>	<u>CAS No.</u>	<u>Amount</u>	<u>Exposure Limit</u>
2-Ethylhexyl Benzoate		5444-75-7	01 – 05 by weight	
Titanium Dioxide		13463-67-7	10 – 30 by weight	TLV-TWA 10mg/m <sup>3</sup> ; PEL 15mg/m <sup>3</sup>
Hydrophobed Polyethylene Glycol		No Data	01 – 05 by weight	
Aluminum Hydroxide		21645-51-2	01 – 05 by weight	
Ethylene Glycol		107-21-1	01 – 05 by weight	TLV-STEL/C 100mg/m <sup>3</sup> (aerosol only)
Silica, amorphous, precipitated and Gel		112926-00-8	01 – 05 by weight	TLV-TWA 10 mg/m <sup>3</sup> ; PEL 20 mg/m <sup>3</sup>
Styrene/Acrylic Copolymer		No Data	10 – 20 by weight	
P(BA/MMA)		25852-3	10 – 30 by weight	
<b>Non-Hazardous Components &gt;1%: 30-60%;</b>				

## 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. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration into lungs.

## 5. FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Use alcohol resistant foam, Carbon dioxide, or dry chemical, to extinguish fire. Use fog nozzles if water is used. Use water to cool fire exposed containers and structures.
<b>UNUSUAL FIRE OR EXPLOSION HAZARDS:</b>	Product will burn if exposed to elevated temperatures or fire.
<b>SPECIAL FIRE-FIGHTING INSTRUCTIONS:</b>	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.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None determined
<b>EXPLOSION DATA (sensitivity to mechanical impact or static discharge):</b>	None known.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Absorb spill with inert materials (e.g. dry sand or earth). Pick up and place into an appropriate container for disposal.

#### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with the eyes and skin. Wash thoroughly after handling. Avoid inhaling vapor or mist.

**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 above 35° 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 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 situations where the product is heated, a NIOSH approved positive pressure self-contained breathing apparatus is recommended. 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.

**OTHER:** Wear long sleeved shirt and long pants to avoid skin contact. Wash thoroughly after handling. Facilities storing or utilizing this material should be equipped with an eyewash station (small container use) and/or a safety shower (large container use).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance And Odor:</b>	Green liquid with slight odor	<b>Octanol/Water Coefficient:</b>	No data available
<b>Autolgnition</b>	None Determined	<b>pH:</b>	No data available
<b>Boiling Point:</b>	200-270° F	<b>Relative Density</b>	Not applicable
<b>Bulk Density:</b>	10-12 lbs./gallon	<b>Solubility In Water:</b>	No data available
<b>Decomposition Temperature</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Evaporation Rate:</b>	No data available	<b>Vapor Density:</b>	Greater than 1 (air = 1)

<b>Flammability</b>	No data available	<b>Vapor Pressure:</b>	No data available
<b>Flammable Limits</b>	<b>LEL:</b> not applicable <b>UEL:</b> not applicable	<b>Viscosity</b>	No data available
<b>Flash Point:</b>	No data available	<b>VOC Content:</b>	Material: 40 gm/l (includes water) Coating: 100 gm/l (excludes water)
<b>Melting Point:</b>	No data available		

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal storage and handling conditions.  
**INCOMPATIBILITY:** Oxidizers. Strong acids and alkalis. Freezing or temperatures below 32° F  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None reported  
**HAZARDOUS POLYMERIZATION:** not reported

**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.  
**EYE:** May cause irritation with redness, tearing and blurred vision.  
**SKIN:** May cause irritation.  
**SENSITIZATION:** This product is not expected to cause sensitization.  
**CHRONIC/CARCINOGENICITY:** No adverse effects expected at ambient temperatures. IARC: "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.

	RTECS #		
Titanium Dioxide	XR2275000	Skin	Human Standard Draize Test 300 ug/3D (intermittent)
		Ingestion	Rat TDLo 60 gm/kg; Gastrointestinal Hypermotility, diarrhea, other changes
		Carcinogenicity	IARC Group 2b: possibly carcinogenic to humans
Aluminum Hydroxide	BD0940000		
Ethylene Glycol	KW2975000	Eye	Rabbit TDLo 10 pph Conjunctive irritation
		Eye	Rat Standard Draize Test: 0.012%/3D
		Eye	Rabbit Standard Draize test: 500 mg/24H
		Eye	Rabbit Standard Draize test: 100 mg/1H
		Eye	Rabbit Standard Draize test: 0.012 ppm/3D
		Skin	Rabbit LD50: 9350 ul/kg
		Ingestion	Oral Rat LD50: 4700 mg/kg
			Oral Guinea Pig LD50: 6600 mg/kg; behavioral depressed activity; gastrointestinal; kidney/ureter/bladder, other changes
			Oral mouse LD50: 5500 mg/kg



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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<sup>i</sup> See Section 11 – Toxicological Information