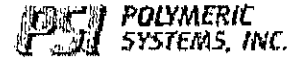


8277

WaterWeld

**MATERIAL SAFETY DATA SHEET**



**SECTION I - PRODUCT AND COMPANY INFORMATION**

Product Name: WaterWeld  
 CAS Number: Mixture  
 Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: B

Company Identification: POLYMERIC SYSTEMS, INC.  
 723 WHEATLAND STREET  
 PHOENIXVILLE PA 19460

Contact: I. David Crossan  
 Telephone/Fax: (610) 935-1170 / (610) 935-7123  
 Emergency Phone (24 Hour): (800) 424-9300  
 (610) 935-1170  
 Chemtrec (24 Hour): (800) 424-9300  
 Preparer: I. David Crossan  
 Technical Director

Product Class: EPOXY PUTTY  
 Trade Name: WaterWeld  
 Product Code: 415490050  
 Shipping Name: PUTTY, NMFC 150110

**SECTION II - INGREDIENT AND HAZARD INFORMATION**

Ingredient Name	CAS Number	Percent	TSCA
Glycidyl ethers of bisphenol A resins HMIS Health: 2 Fire: 1 Reactivity: 0 PPI: B	25068-38-6	10 - 30	Y
Tri(dimethylaminomethyl)phenol HMIS Health: 3 Fire: 1 Reactivity: 1 PPI: D	90-72-2	0.5 - 1.5	Y
Zinc sulfide HMIS Health: 1 Fire: 0 Reactivity: 0 PPI: E	1314-98-3	0.5 - 1.5	Y

\*\*\* ALL Ingredients in this product are listed in the T.S.C.A. Inventory

**SECTION III - PHYSICAL DATA**

Form: Putty  
 Appearance/Color: White/Neutral  
 Odor: Sulfur, Mercaptan  
 Solubility (in water): Insoluble in Water  
 pH Value: Not Applicable  
 Boiling Range: Not Applicable  
 Vapor Pressure (mmHg): Not Applicable  
 Melting Point: Not Applicable  
 Evaporation Rate: Non Volatile  
 Vapor Density: Non Volatile  
 % Volatile Weight: 0.0%  
 % Volatile: < 1%  
 VOC: < 1%  
 Heavy Elements (ppm): 0.  
 Specific Gravity: 1.95

**NOTE:**

The physical data represented above are typical values and should not be construed as a specification. For additional physical data and details on use, please obtain a technical data sheet for this product.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flammability Class: IIIB  
 Flash Range: Not Applicable  
 Explosive Range: Not Applicable

**EXTINGUISHING MEDIA:**

Water spray, foam, CO2, dry chemicals.

**UNUSUAL HAZARDS:**

Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

**FIRE FIGHTING**

Fire Fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self contained breathing apparatus (SCBA) and full protective clothing.

**SECTION V - HEALTH HAZARD DATA**

	Route	Species	Exposure and Dose
<i>Glycidyl ethers of bisphenol A resins</i>	Oral	Rat, adult	LD50 5000. mg/Kg
	Skin	Rabbit, adult	LD50 20000. mg/Kg
<i>Tri(dimethylaminomethyl)phenol</i>	Oral	Rat, adult	LD50 1630. mg/Kg

**PERMISSIBLE EXPOSURE LEVEL:**

Not Applicable

**EFFECTS OF OVEREXPOSURE:**

Inhalation: None  
 Ingestion: Irritation of intestinal tract  
 Skin Contact: Possible irritant and sensitizer.  
 Eye Contact: Possible irritant and sensitizer.

**FIRST AID:**

Inhalation: Remove to fresh air.  
 Ingestion: Seek medical advice.  
 Skin Contact: Wash with plenty of soap and water.  
 Eye Contact: Flush with water for at least 15 minutes. Seek medical advice.

**NOTE:**

Never give anything by mouth to an unconscious person.

**SECTION VI - STABILITY AND REACTIVITY DATA**

Stability: This product is stable  
 Hazardous Polymerization: Hazardous polymerization will not occur

**INCOMPATIBILITY**

None

**CONDITIONS TO AVOID:**

None

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

## SECTION VII - SPILL AND LEAK PROCEDURES

**STEPS TO BE TAKEN:**

Spills or leaks: Dispose of in normal manner.

**WASTE DISPOSAL METHOD:**

Incinerate in furnace or bury in landfill in accordance with all applicable regulations; not a hazardous waste.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
<i>Glycidyl ethers of bisphenol A resins</i>	N/est	N/est	N/est	N/est	N/est
<i>Tri(dimethylaminomethyl)phenol</i>	5.00 PPM	N/est	N/est	N/est	N/est
<i>Zinc sulfide</i>	5.00 mg/M <sup>3</sup>	N/est	N/est	N/est	5.00 mg/M <sup>3</sup>

**PROTECTIVE EQUIPMENT TYPES:**

**Eyes:** Safety glasses or goggles.  
**Respiratory:** None required unless sanding or abrading.  
**Gloves:** Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.  
**Other:** None Required.

**VENTILATION:**

**General Mechanical:** None Required  
**Local Exhaust:** Only if heated above 100F (38C)

## SECTION IX - HANDLING AND STORAGE

**Storage Temperature:** < 90F (32C)

**Storage Conditions:** Store in cool, dry, well ventilated area.

**Transfer:** No special precautions are needed. Follow good manufacturing and handling practices.

**Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.

**Empty container precautions:** Attention! This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

## SECTION X - REGULATORY INFORMATION

**SARA TITLE III SECTION 313:**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
Zinc sulfide	1314-98-3	0.5 - 1.5

**MSDS Name:** WaterWeld      **Version Number:** 2      **Page Number:** 3 of 4  
**MSDS Number:** 415490050      **MSDS Date:** 3/10/2004

**Right-to-Know:**

The non-hazardous ingredients in the product subject to the Pennsylvania, New Jersey, and/or Massachusetts Right-to-Know laws are:

<b>CAS</b>	<b>Chemical Name</b>
14807-96-6	Magnesium Silicate Hydrate
Trade Secret	Polyether Polymercaptan
65997-17-3	Sodium Calcium Magnesium Silicate

**NOTE:**

**USERS RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

**DISCLAIMER OF LIABILITY:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.