

# RESIN TECHNOLOGY GROUP, LLC

## MATERIAL SAFETY DATA SHEET

### 1. MATERIAL IDENTIFICATION

Product Name: **OXY-BOND 105 HARDENER**

Chemical Family: Mercaptan-Terminated Polymer

EMERGENCY PHONE: For product emergency involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquiries call Resin Technology Group, Inc. at (508) 230-8070.

### 2. COMPOSITION

HAZARDOUS COMPONENTS	CAS NO.	PERCENT	Exposure Limits	
			ACGIH TLV-TWA mg/m <sup>3</sup>	OSHA PEL mg/m <sup>3</sup>
Mercaptan-Terminated Polymer	Proprietary	100	N.E.	N.E.

Abbreviations: N.E. = Not Established

### 3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eyes: Yes Skin: Yes Inhalation: Yes

Eye Contact: May cause severe irritation and permanent visual impairment.

Skin Contact: May cause severe irritation, burns, and sensitization.

Inhalation: May be slightly toxic, causing irritation, nausea, delayed lung injury, and chemical pneumonia.

Ingestion: May cause harm.

#### **4. FIRST AID MEASURES**

**Eyes:** Flush eyes thoroughly with water for at least 15 minutes while holding eyelids open. Seek medical attention.

**Skin:** Remove contaminated clothing. Wipe off excess product and immediately flush the affected area with water for at least 15 minutes. Obtain medical attention.

**Inhalation:** Remove to fresh air, and provide oxygen if breathing is difficult. Seek medical attention.

**Ingestion:** Give a large quantity of water or milk unless the victim is drowsy, convulsing, or unconscious. Seek medical attention.

#### **5. FIRE FIGHTING MEASURES**

##### **FLAMMABLE PROPERTIES**

**Flash Point:** >200 deg F

**Explosive Limits:** Not determined

**Auto - Ignition Temperature:** Not determined

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen

##### **EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS**

Firefighters should be equipped with full bunker gear, including a positive pressure, NIOSH approved, self-contained breathing apparatus. Fire-exposed containers may be cooled with water.

**Extinguishing Media:** Use water spray, carbon dioxide, dry chemical, or an appropriate foam.

#### **6. ACCIDENTAL RELEASE MEASURES**

Ventilate the area, and evacuate if airborne levels could exceed established limits. Add dry material to absorb the spill, such as clay, sand, or another suitable absorbent. For large spills, dike to contain. Dispose of properly. Flush the area with water to remove trace residue.

## **7. HANDLING AND STORAGE**

Store in a cool, dry place, in closed containers. Keep away from ignition sources and open flames. Avoid contact with incompatible materials. Wear protective eyewear, chemical-resistant gloves, and other protective clothing as appropriate.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Engineering / Ventilation Controls:** General ventilation may be acceptable under most conditions, although local ventilation is required to control exposure whenever vapors or mists are generated. Eye wash stations should be readily available.

**Respiratory Protection:** Whenever vapors or mists are generated, and local ventilation is unavailable, a NIOSH-approved respirator for organic vapors, an air-supplied respirator, or a self-contained breathing apparatus is required.

**Skin Protection:** Impervious gloves and protective clothing should be worn as necessary.

**Eye Protection:** Chemical splash goggles or safety glasses with side shields should be worn as appropriate.

## **9. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions and use.

**Conditions and Materials to Avoid:** Keep away from ignition sources and open flames. Avoid contact with oxidizing agents.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen.

**Hazardous Polymerization:** Will not occur.

**10. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear to light yellow liquid
Boiling Point:	Not determined
Vapor Pressure (mm Hg):	Not determined
Vapor Density (air=1):	Not determined
Evaporation Rate:	Not determined
Solubility in Water:	Negligible

**11. TOXICOLOGICAL INFORMATION**

This product does not contain, in a concentration greater than or equal to 0.1%, any carcinogenic material according to the National Toxicology Program, IARC *Monographs*, or OSHA.

**12. DISPOSAL CONSIDERATIONS**

Place in an appropriate disposal facility, in compliance with applicable government regulations.

**13. TRANSPORTATION INFORMATION**

DOT/IATA Proper Shipping Name: Not regulated

## 14. REGULATORY INFORMATION

### TSCA

All the chemical components of this product are listed on the TSCA Chemical Substance Inventory.

### SARA TITLE III

#### Section 313 - Toxic Chemicals

Pursuant to Section 313, this product does not contain any chemicals in a concentration which exceeds the *de minimis* level.

#### Section 311/312 - Hazard Categories

Fire Hazard:	No
Reactivity Hazard:	No
Sudden Release of Pressure Hazard:	No
Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	No

NFPA Hazards: Health: 3

Flammability: 1

Reactivity: 1

HMIS Hazards: Health: 3

Flammability: 1

Reactivity: 1

### STATE REGULATIONS / RIGHT TO KNOW

California Proposition 65: This product is not known to contain any chemicals which are recognized by the State of California to cause birth defects or other reproductive harm.

Resin Technology Group, Inc. urges each customer or recipient of this MSDS to study it carefully in order to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and/or fire prevention, as necessary to use and understand the data contained in this MSDS.

To promote safe handling, customers and recipients should: 1 - notify their employees, agents, contractors, and others whom they know or suspect will use this material or the information in this MSDS and any other information regarding hazards or safety; 2 - furnish this same information to each of their customers for the product; and 3 - request their customers to notify their employees, customers and other users of the product of this information.

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