

**Retro-Coat™ GEL, Part B**  
**Material Safety Data Sheet (MSDS)**

**Last Revised:** July 08, 2016

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**Section 1 – Supplier Information and Material Identification**

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**Supplier:**



1011 Calle Sombra  
San Clemente, CA 92673  
Telephone: 949.366.8000  
Fax: 949.366.8090  
E-mail: info@regenesi.com

Trade Name: **Retro-Coat™ GEL, Part B**  
Product Use: Epoxy Resin Hardener, Part B

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**Section 2 – Hazardous Chemical Information**

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<u>CAS No.</u>	<u>Chemical</u>	<u>Percentage</u>
9046-10-0	Polyether Amine	80%
98-54-4	4-tert Butylphenol	10%
1477-55-0	M-Xylenediamine	10%

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**Section 3 – Physical Data**

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**Form:** Liquid  
**Color:** Amber  
**Odor:** Amine  
**Flammability/Flash Point:** >200°F (Setaflash Closed Cup).  
**Bulk Density (lbs/gal):** 8.5 at 77°F  
**Viscosity (cps):** Low Viscosity  
**Percent Volatiles** 0 @ 70°F

<b>Specific Gravity</b>	1.0 at 77°F
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<b>Vapor Pressure</b>	Less than 1 mm Hg @ 68°F
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#### Section 4 – Reactivity Data

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<b>Stability:</b>	Stable under normal storage conditions
<b>Conditions to Avoid/Incompatibility:</b>	Avoid bringing into contact with strong oxidizing agents, and strong Lewis or Mineral acids, bases.
<b>Hazardous Decomposition Products:</b>	CO (Carbon Monoxide), CO <sub>2</sub> (Carbon Dioxide), Acids, Aldehydes
<b>Polymerization</b>	

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#### Section 5 – Regulations

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<b>WHMSIS Classification:</b>	Class E – Corrosive
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#### Section 6 – Protective Measures, Storage and Handling

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<b>Storage:</b>	Store in a dry location.
<b>Handling:</b>	
<b>Other Precautions:</b>	Keep container tightly closed when not in use.
<b>Ventilation Requirements:</b>	Local, except in confined spaces, e.g., tanks, in which case proper respiratory equipment (see below) is required.
<b>Respiratory Protection:</b>	Respirator with organic vapor cartridge N/A with local exhaust.
<b>Eye Protection:</b>	Chemical goggles
<b>Skin Protection:</b>	Rubber or plastic gloves
<b>Protection Against Fire &amp; Explosion:</b>	

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#### Section 7 – Hazards Identification

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	<b>Potential Health Effects</b>
<b>Inhalation:</b>	May cause nasal irritation, central nervous system depression or lung injury.
<b>Eye Contact:</b>	This product can cause chemical burns to eyes. Eye

**Skin Contact:** damage may be irreversible  
May be corrosive or highly irritating to the skin. Repeated contact may cause sensitization and/or dermatitis.

**Ingestion:**

### Section 8 – Measures in Case of Accidents and Fire

**After Spillage/Leakage:** Using recommended protective equipment, add dry material to absorb spill (if large spill, first dike to contain). Pick up and containerize. Flush area with dilute (5%) acetic acid. Collect rinsate for sewer or disposal.

**Extinguishing Media:** Water fog, Alcohol foam, CO<sub>2</sub>, Dry Chemical.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Use a positive pressure, self-contained breathing apparatus. Wear full protection coating.  
**Note: Will burn under right conditions of heat and oxygen supply.**

**First Aid**

**Eye Contact:** Flush with water for at least 15 minutes. **GET MEDICAL ATTENTION.**

**Inhalation:** Remove to fresh air if effects occur and administer oxygen if necessary. **GET MEDICAL ATTENTION.**

**Ingestion:** **GET MEDICAL ATTENTION IMMEDIATELY. Do not induce vomiting** unless directed by physician.

**Skin Contact:** Wash thoroughly with water. Remove contaminated clothing and shoes. Wash clothing before re-use. Get medical attention if effects such as swelling or reddening occur.

### Section 9 – Accidental Release Measures

**Cleanup Methods:**

### Section 10 – Information on Toxicology

#### Toxicity Data

**Dermal LD<sub>50</sub> (rat):**

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**Section 11 – Information on Ecology**

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**Not Applicable**

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**Section 12 – Disposal Considerations**

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**Waste Disposal Method:** Product classified as “corrosive” and as such must be disposed of as a hazardous waste according to Federal, State and Local regulations.

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**Section 13 – Shipping/Transport Information**

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<b>D.O.T. Shipping Name:</b>	Amines, Liquids Corrosive NOS (Polyetheramine))	
<b>UN Number:</b>	UN 2735	
<b>D.O.T. Hazard Classification:</b>	8	
<b>Labels:</b>	Corrosive	
<b>Packaging Group:</b>	III	

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**Section 14 – Other Information**

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<b>WHMIS Classification:</b>	Class E – Corrosive	
<b>NFPA</b>	Health – 2	Reactivity – 1
	Flammability – 1	Special -

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**Section 15 – Further Information**

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**The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.**