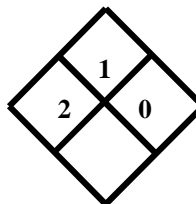


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**Effective Date:** 10/18/06**Material Safety Data Sheet**

MSDS No: 5983

**1. PRODUCT IDENTIFICATION****Trade Name:** RenGel 1124**Chemical Family:** Epoxy

NFPA RATING

|                             |          |
|-----------------------------|----------|
| <b>Health:</b>              | <b>2</b> |
| <b>Flammability:</b>        | <b>1</b> |
| <b>Reactivity:</b>          | <b>0</b> |
| <b>Personal Protection:</b> |          |

HMIS RATING

**Synonyms:**

RP 1124 Resin  
TDT 208-2 Resin

**Intended Use or Product Type:** Room temperature surface coat resin**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| O<br>S<br>H<br>A | CAS No.    | CHEMICAL IDENTITY  | EXPOSURE LIMITS |      |      |      | MFR. | CARCINOGEN STATUS |     |      |
|------------------|------------|--|-----------------|------|------|------|------|-------------------|-----|------|
|                  |            |  | ACGIH           |      | OSHA |      |      | IARC              | NTP | OSHA |
|                  |            |  | TWA             | STEL | PEL  | STEL |      |                   |     |      |
| *                | 15625-89-5 | 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester<br>Multifunctional acrylate monomer<br>Common Name: | NE              | NE   | NE   | NE   | NE   | NR                | NR  | NR   |
| *                | 25068-38-6 | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane<br>Bisphenol A diglycidyl ether polymer<br>Common Name:      | NE              | NE   | NE   | NE   | NE   | NR                | NR  | NR   |

\* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** Causes skin and eye irritation. May cause allergic skin reaction.

**Primary Route(s) of Entry:** Dermal; heated product may produce inhalable vapors.**4. FIRST AID MEASURES**

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**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

**Overexposure Effects:** Causes skin and eye irritation. May cause allergic skin reaction.

**Medical Conditions Aggravated by Exposure:** Skin and eye conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

## **5. FIRE FIGHTING MEASURES**

|   |                   |
|---|-------------------|
| <b>Flash Point:</b>                                   | > 200°F (> 93 °C) |
| <b>Flash Point Method Used:</b>                       | Estimated         |
| <b>Flammable Limits in Air (Lower - % by volume):</b> | Not established   |
| <b>Flammable Limits in Air (Upper - % by volume):</b> | Not established   |

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam, water.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

## **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Remove spillage by absorbing in absorbent material.

## **7. HANDLING AND STORAGE**

**Signal Word:** Warning!

**Precautions:** Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

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

**Skin Protection:** Wear impermeable gloves.

**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

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**Eye Protection:** Wear splash-proof chemical goggles.

**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                 |
|-----------------------------|-----------------|
| <b>Color:</b>               | Green           |
| <b>Physical State:</b>      | Liquid          |
| <b>Solubility in Water:</b> | Negligible      |
| <b>Vapor Pressure:</b>      | Not Determined  |
| <b>Specific Gravity:</b>    | 1.5 (water = 1) |
| <b>Boiling Point:</b>       | Not Determined  |
| <b>Evaporation Rate:</b>    | Not Determined  |
| <b>Vapor Density:</b>       | Not Determined  |
| <b>VOC:</b>                 | 0 g/L           |
| <b>pH:</b>                  | Not Determined  |

**Percent Volatile:** Negligible.

## **10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Excessive heat for prolonged periods of time.

**Stability:** Stable.

**Incompatibility:** Strong oxidizers, acids and bases.

**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

**Sensitization:** Possible in susceptible individuals.

**Skin Irritation:** Irritant.

**Eye Irritation:** Irritant.

## **12. ECOLOGICAL INFORMATION**

## **13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

## **14. TRANSPORT INFORMATION**

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**DOT: Non-Bulk****Proper Shipping Name:** Resin compounds, N.O.I.**Department of Transportation:** Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.**15. REGULATORY INFORMATION****US Federal Regulations:****Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).**TSCA Section 8(b) - Inventory Status:** All chemical components of this product are in compliance with TSCA inventory requirements.**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.**State Regulations:****California Proposition 65:** This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

Common Name: Bisphenol A diglycidyl ether polymer

CAS Number: 25068-38-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Limestone

Common Name: Calcium carbonate

CAS Number: 1317-65-3

Comment: Hazardous Substance

Chemical Name: 2-Propenoic acid, 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester

Common Name: Multifunctional acrylate monomer

CAS Number: 15625-89-5

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Titanium Oxide

Common Name: Titanium dioxide

CAS Number: 13463-67-7

Comment: Hazardous Substance

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Chemical Name: Siloxanes and silicones, di-me, reaction products with silica  
Common Name: Amorphous hydrophobic fumed silica  
CAS Number: 67762-90-7  
Comment: Not on Pennsylvania Hazardous Substance List

## **16. OTHER INFORMATION**

**MSDS No:** 5983  
**Approved By:** Dianne Blessing  
**Title:** EH&S Specialist

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