

Loctite(R) 5110 Adhesive Sealant Porosity Sealant  
 22470

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 5110 Adhesive Sealant Porosity Sealant  
 Item No.: 22470  
 Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients                   | CAS No.    | %     |
|-------------------------------|------------|-------|
| Polyglycol dimethacrylate     | 109-16-0   | 60-65 |
| Aromatic dimethacrylate ester | 24448-20-2 | 30-35 |
| Nonionic surfactant           | 68131-39-5 | 1-3   |
| CUMENE HYDROPEROXIDE*         | 80-15-9    | 0.1-1 |
| Saccharin                     | 81-07-2    | 0.1-1 |

\* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

| Exposure Limits (TWA)<br>Ingredients | ACGIH<br>(TLV) | OSHA<br>(PEL) | OTHER                      |
|--------------------------------------|----------------|---------------|----------------------------|
| CUMENE HYDROPEROXIDE                 | None           | None          | 1ppm(6mg/m3)<br>Skin(WEEL) |

| Exposure Limits (STEL)<br>Ingredients | ACGIH<br>(TLV) | OSHA<br>(PEL) |
|---------------------------------------|----------------|---------------|
|                                       |                |               |

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. Ingestion may irritate mouth, throat, and stomach.  
 Estimated oral LD50 more than 5000 mg/kg.  
 Estimated dermal LD50 more than 2000 mg/kg.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: None known

| Ingredients                   | Literature Referenced<br>Target Organ and Other Health Effects | Carcinogen |      |      |
|-------------------------------|--|------------|------|------|
|                               |  | NTP        | IARC | OSHA |
| Polyglycol dimethacrylate     | ALG IRR  | NO         | NO   | NO   |
| Aromatic dimethacrylate ester | ALG IRR  | NO         | NO   | NO   |

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EMERGENCY PHONE: (860) 571-5100

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## 3. HAZARDS IDENTIFICATION

(continued)

|                      |                     |    |     |    |
|----------------------|---------------------|----|-----|----|
| Nonionic surfactant  | NTO                 | NO | NO  | NO |
| CUMENE HYDROPEROXIDE | ALG CNS COR IRR MUT | NO | NO  | NO |
| Saccharin            | NTO                 | NO | N/A | NO |

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## Abbreviations

|                            |               |
|----------------------------|---------------|
| N/A Not Applicable         | ALG Allergen  |
| CNS Central nervous system | COR Corrosive |
| IRR Irritant               | MUT Mutagen   |
| NTO No Target Organs       |               |

## 4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Does not apply

Skin Contact: Wash with soap and water.

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup  
Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors; oxides of carbon.

Unusual Fire or Explosion Hazards: None

Explosive Limits:  
(% by volume in air)Lower Not available  
(% by volume in air)Upper Not available

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.

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## 7. HANDLING AND STORAGE

Safe Storage: Store below 100°F  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Avoid prolonged skin contact. Keep away from eyes.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.  
Skin: Rubber or plastic gloves.  
Ventilation: Does not apply  
Respiratory: Not available

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid  
Odor: Mild  
Boiling Point: More than 300°F  
pH: Does not apply  
Solubility in Water: Slight  
Specific Gravity: 1.09 at 80°F  
Volatile Organic Compound  
(EPA Method 24) Not available  
Vapor Pressure: Less than 5mm Hg at 80°F  
Vapor Density: Not available  
Evaporation Rate  
(Ether = 1) Not available

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Hazardous polymerization may occur if over-catalyzed or insufficiently aerated after catalyzation. This polymerization is exothermic.  
Incompatibility: Reducing agents, strong oxidizing agents  
Conditions to Avoid: Not available  
Hazardous Decomposition  
Products (non-thermal): Methacrylic acid, phenol

## 11. TOXICOLOGICAL INFORMATION

See Section 3.

## 12. ECOLOGICAL INFORMATION

No data available

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## 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.  
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

## 14. TRANSPORTATION INFORMATION

## DOT (49 CFR 172)

## Domestic Ground Transport

Proper Shipping Name: Unrestricted  
Hazard Class or Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None

## IATA

Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None

## 15. REGULATORY INFORMATION

CA Proposition 65: This product contains Saccharin. No prop65 hazard warning is necessary if this product is used as reasonably anticipated.

## 16. OTHER INFORMATION

## Estimated NFPA(R) Code:

Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 1  
Specific Hazard: Does not apply

## Estimated HMIS(R) Code:

Health Hazard: 1  
Flammability Hazard: 1  
Reactivity Hazards: 1  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: January 27, 1999 Revision: 0004