

# Material Safety Data Sheet

## 77 Red – Anaerobic Adhesive

### ADHESIVE®



TELEPHONE 715-832-4557

#### 1. Product Identification

**Product Name** ADHESIVE R&D 77 Red  
**Product** Anaerobic Adhesive

#### 2. Composition

<b>Ingredients</b>	<b>CAS#</b>	<b>WT%</b>
Aromatic dimethacrylate ester	24448-20-2	40-50
Polglycol dimethacrylate	25852-47-5	20-30
Bisphenol A fumarate resin	39382-25-7	10-20
Hydroxyalkyl methacrylate	27813-02-1	5-10
Cumene Hydroperoxide*	80-15-9	1-3
Maleic Acid	110-16-7	.1-1
Saccharin	81-07-2	.1-1

This component is listed as a SARA Section 313 toxic chemical.

#### Ingredients that Have Exposure Limits

<b>Exposure Limits (TWA) Ingredients</b>	<b>ACGIH (TLV)</b>	<b>OSHA (PEL)</b>	<b>Other</b>
Cumene Hydroperoxide	None	None	1ppm(6mg/m3) Skin (Weel)

#### 3. Hazards Identification

**Toxicity** Severe eye irritant. Moderate skin irritant. Possible inhalation irritant.  
May be harmful if swallowed.

**Primary Routes of Entry** Skin, eyes, inhalation, ingestion

**Symptoms of Exposure** May cause severe dermatitis on prolonged contact in sensitive individuals.

**Existing Conditions Aggravated by Exposure** None Known

#### 4. First Aid Measures and Personal Protection

*Note: See supplemental page or emergency procedures and additional First Aid information.*

**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

**Extinguishing Agents** Carbon dioxide, foam, dry chemical.

#### Special Fire Fighting

**Procedures** Not available.

**Hazardous Products Formed by  
Fire or Thermal Decomp** Irritating organic vapors.

**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

If a spill or leak occurs, maintain adequate ventilation. Soak up in an inert absorbent. Store in partly filled closed container until disposal.

#### 7. Handling and Storage

**Storage** Store below 100°F

**Handling** Avoid prolonged contact with skin. Keep away from eyes. Avoid breathing vapors.

#### 8. Exposure Controls, Personal Protection

**Eyes** Chemical safety glasses or goggles.

**Skin** Rubber or plastic gloves.

**Ventilation** Sufficient to maintain vapor concentration below TLV.

**Respiratory** OSHA approved respirator if ventilation is inadequate.

## 9. Physical and Chemical Properties

Appearance	Green Liquid
Odor	Mild
Boiling Point	More than 300°F
Ph	Does not apply
Solubility in Water	Slight
Specific Gravity	1.11 at 80°F
VOC	38.4%; 426 grams per liter (EPA Method 24)
Vapor Pressure	Less than 5mm at 80°F
Vapor Density	Not available
Evaporation Rate	Not available

## 10. Stability and Reactivity

Stability	Stable
Hazardous Polymerization	Will not occur
Incompatibility	None
Conditions to Avoid	Not available
Hazardous Decomposition Products (Non Thermal)	None

## 11. Toxicological Information

Oral LD50 more than 1000 mg/kg  
Estimated dermal LD50 more than 200 mg/kg

## 12. Ecological Information

No data available.

## 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 (49CFR 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:	Warning this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Propylene oxide (ppb levels of arsenic, Cd, Pb, Ni), This product contains Saccharin. No Prop 65 hazard warning is necessary if this product is used as reasonably anticipated.
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## 16. Other Information

### Estimated NFPA ® Code

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

### Estimated HMIS ® Code

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

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