

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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5100 Flexseal(TM) Penetrating Sealant
28261

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 5100 Flexseal(TM) Penetrating Sealant
Item No.: 28261
Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Alkyl methacrylate	688-84-6	35-40
Polyglycol dimethacrylate	109-16-0	25-30
High boiling methacrylate	68586-19-6	20-25
Urethane methacrylate resin	Proprietary	5-10
CUMENE HYDROPEROXIDE*	80-15-9	1-3
Hydroxyalkyl methacrylate	868-77-9	1-3
Nonionic surfactant	68131-39-5	1-3
Saccharin	81-07-2	0.1-1

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

The urethane methacrylate resin is registered with the State of New Jersey as a trade secret: NJ TSRN 06-070-1067-5016P.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Alkyl methacrylate	None	None	25ppm
CUMENE HYDROPEROXIDE	None	None	1ppm(6mg/m3) Skin(WHEEL)
Hydroxyalkyl methacrylate	None	None	3 ppm ceiling
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

3. HAZARDS IDENTIFICATION

Toxicity: Skin, nose, and throat irritant.
Slight respiratory irritant at high concentrations
May irritate mucous membranes of mouth, throat, or stomach if swallowed.

Primary Routes of Entry: Skin, eyes, inhalation.

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

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3. HAZARDS IDENTIFICATION

(continued)

sensitive individuals. Possible headache, nausea,
or dizziness.

Existing Conditions

Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Alkyl methacrylate	ALG IRR	NO	NO	NO
Polyglycol dimethacrylate	ALG IRR	NO	NO	NO
High boiling methacrylate	ALG IRR	NO	NO	NO
Urethane methacrylate resin	No Data	NO	NO	NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
Hydroxyalkyl methacrylate	ALG IRR	NO	NO	NO
Nonionic surfactant	NTO	NO	NO	NO
Saccharin	NTO	NO	N/A	NO

Abbreviations

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

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 Oxides of carbon
Unusual Fire or
Explosion Hazards: None
Explosive Limits:

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5. FIRE FIGHTING MEASURES

(continued)

(% 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.

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: May be desired for prolonged use in a confined
area.
Respiratory: NIOSH.MSHA approved respirator if ventilation is
inadequate

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to pale yellow liquid
Odor: Mild
Boiling Point: More than 300°F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 0.998 at 80°F
Volatile Organic Compound
(EPA Method 24) Not available
Vapor Pressure: Less than 5mm 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: Oxidizing and reducing agents.

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10. STABILITY AND REACTIVITY

(continued)

Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.
Estimated dermal LD50 more than 2000 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 (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: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Traces of ethylene oxide, acetaldehyde, dioxane.

This product contains Saccharin. No Prop65 hazard warning is necessary if this product is used as reasonably anticipated.

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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.

Prepared By: Stephen Repetto
Title: Research Chemist - Health & Regulatory Affairs
Company: Loctite Corporation
1001 Trout Brook Crossing, Rocky Hill CT 06067
(860) 571-5100
(24hr.) Phone: (860) 571-5100
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