

PMS-50E Porous Metal Sealant
 12124

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PMS-50E Porous Metal Sealant
 Item No.: 12124
 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
CUMENE HYDROPEROXIDE*	80-15-9	<1
Nonionic surfactant	68131-39-5	1-3
Saccharin	81-07-2	<0.5

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

Ingredients which have exposure limits

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

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant.
 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 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
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO

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3. HAZARDS IDENTIFICATION

(continued)

Nonionic surfactant	NTO	NO	NO	NO
Saccharin	NTO	NO	N/A	NO

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: Flush with water.

Eye Contact: Flush with water.

5. FIRE FIGHTING MEASURES

Flash Point: >200 deg. F Method: TCC
Recommended

Extinguishing Agents: Carbondioxide, 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:
(% by volume in air)Lower Does not apply
(% by volume in air)Upper Does not apply

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 deg. F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Avoid prolonged skin contact.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles recommended.
Skin: Rubber or plastic gloves recommended.
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: >300 deg. F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 1.09 at 80 deg. F
Volatile Organic Compound
(EPA Method 24): Not available
Vapor Pressure: <5mm @ 80 deg. F
Vapor Density: Unknown
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
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

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

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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.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2
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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