

Loctite Corporation 1001 Trout Brook Crossing Issued: 05/13/96
Rocky Hill, CT 06067-3910 16:03:50
Emergency Phone: (860) 571-5100 Fax: (860) 571-5465

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MATERIAL SAFETY DATA SHEET

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Product Name: Fast Cure Epoxy
Prod., Part or Item No: 44583

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Type: Epoxy

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
RESIN		
Epoxy resin	25068-38-6	45-50
Aluminum hydroxide, hydrated	21645-51-2	45-50
TITANIUM DIOXIDE	13463-67-7	5-10
SILICA, AMORPHOUS TREATED	112945-52-5	1-3

HARDENER

Aluminum hydroxide, hydrated	21645-51-2	45-50
Polymercaptan	101359-87-9	30-35
Substituted aminophenol	90-72-2	5-10
Aromatic plasticizer	64741-81-7	5-10
STYRENE MONOMER*	100-42-5	3-5
SILICA, AMORPHOUS TREATED	112945-52-5	1-3
ETHYLENE GLYCOL*	107-21-1	1-3

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

Ingredients which have exposure limits

Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
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RESIN

Aluminum hydroxide, hydrated	10 mg/m3 dust	15 mg/m3 dust	None
TITANIUM DIOXIDE	10 mg/m3 dust	15 mg/m3 dust	None
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA

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resp. dust

HARDENER

Aluminum hydroxide, hydrated	10 mg/m3 dust	15 mg/m3 dust	None
STYRENE MONOMER	50 ppm TWA	100 ppm TWA	None
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA
ETHYLENE GLYCOL	None	50 ppm ceiling	None
		125mg/m3 ceiling	

Exposure Limits (STEL)
Ingredients (TLV)

RESIN

HARDENER

ETHYLENE GLYCOL	39.4ppm cell ar	None
	100mg/m3 cell a	

3. HAZARDS IDENTIFICATION

Toxicity:

Eye and skin irritant. Repeated or prolonged exposure by ingestion may cause delayed effects involving the blood, gastrointestinal, nervous, and reproductive systems. May be a potential human skin carcinogen.

Primary Routes of Entry:
Signs and symptoms of Exposure:

Aromatic plasticizer: Skin, eyes, ingestion.

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

RESIN

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Epoxy resin	AlG IRR	NO	NO	NO	NO
Aluminum hydroxide, hydrated	IRR IUN	NO	NO	NO	NO
TITANIUM DIOXIDE	IRR NUI	NO	NO	NO	NO
SILICA, AMORPHOUS TREATED	NUI	NO	N/A	NO	NO

HARDENER

Aluminum hydroxide, hydrated	IRR IUN	NO	NO	NO	NO
Polymercaptan	No Data	NO	NO	NO	NO
Substituted aminophenol	IRR	NO	NO	NO	NO
Aromatic plasticizer	No Data	NO	NO	NO	NO
STYRENE MONOMER	IRR LIV MET NER	NO	2B	NO	NO
SILICA, AMORPHOUS TREATED	NUI	NO	N/A	NO	NO
ETHYLENE GLYCOL	ACQ CNS DEV IRR KID MET	NO	NO	NO	NO

Abbreviations

N/A Not Applicable 2B Possibly carcinogenic to humans
ACQ ACUTE-Unclassifiable as human carc. Alg Allergen
CNS Central nervous system DEV Developmental
IRR Irritant KID Kidney
LIV Liver IUN Lung
MET Metabolic MUT Mutagen
NER Nervous System NUI Nuisance dust

4. FIRST AID MEASURES

Ingestion: Induce vomiting. Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Flush with 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
Hazardous Products formed

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by Fire or Thermal Decomposition Irritating organic vapor.
Unusual Fire or
Explosion Hazards: None

Explosive Limits:
(% by volume in air) Lower 3.2% Ethylene glycol
(% by volume in air) Upper 15.3% Ethylene glycol

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 Locitite Customer Service 1-800-243-4874 for shelf life information)
Handling: Keep away from eyes. Avoid prolonged skin contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles recommended.
Skin: Rubber or plastic gloves recommended.
Ventilation: Sufficient to maintain vapor concentration below
TLV.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: RESIN: White Paste

Odor: Black Paste
RESIN: Mild

Boiling Point: HARDENER: Disagreeable
pH: More than 300°F
Solubility in Water: Not Applicable
Specific Gravity: Slight
RESIN: = 1.68

Volatile Organic Compound
HARDENER: = 1.40

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Epichlorohydrin

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: HARDENER: 2

RESIN: 1

Fire Hazard: HARDENER: 1

RESIN: 1

Reactivity Hazard: HARDENER: 1

RESIN: 1

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: HARDENER: 2

RESIN: 1

Flammability Hazard: HARDENER: 1

RESIN: 1

Reactivity Hazards: HARDENER: 1

RESIN: 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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