

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
 MATERIAL SAFETY DATA SHEET Page 1 of 6

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

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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

Product Type:	HARDENER	
2. COMPOSITION, INFORMATION ON INGREDIENTS		
Ingredients	CAS No.	%
RESIN		
Aluminum hydroxide, hydrated	10 mg/m3 dust	15 mg/m3 dust
STYRENE MONOMER	50 ppm TWA	5 mg/m3 respir.
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	6 mg/m3 TWA
ETHYLENE GLYCOL	None	50 ppm ceiling
		125mg/m3 ceiling

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	50-72-2	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

Exposure Limits (STEL)	ACGIH (TLV)	OSHA (PEL)
Aluminum hydroxide, hydrated	10 mg/m3 dust	15 mg/m3 dust
STYRENE MONOMER	50 ppm TWA	5 mg/m3 respir.
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	6 mg/m3 TWA
ETHYLENE GLYCOL	None	50 ppm ceiling
		125mg/m3 ceiling

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

Ingredients which have exposure limits

Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
Aluminum hydroxide, hydrated	10 mg/m3 dust	15 mg/m3 dust	None
TITANIUM DIOXIDE	10 mg/m3 dust	5 mg/m3 respir.	None
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	5 mg/m3 resp	3 mg/m3 TWA

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: Aromatic plasticizer: Skin, eyes, ingestion.
 Signs and symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.
 Existing Conditions Aggravated by Exposure: None known

Ingredients Literature Referenced Carcinogen
 Target Organ and Other Health Effects NTP IARC OSHA
 RESIN



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MATERIAL SAFETY DATA SHEET Page 3 of 6

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Epoxy resin	ALL 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	NOI	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
STRENE MONOMER	IRR LIV MGT NER	NO	NO	NO	NO
SILICA, AMORPHOUS TREATED	NOI	NO	N/A	NO	NO
ETHYLENE GLYCOL	NO4 CNS DEV IRR KID MFT	NO	NO	NO	NO

Abbreviations

N/A Not Applicable
NO4 ACSH-Unclassifiable as human carc. AIG Allergen
CNS Central nervous system
IRR Irritant
LIV Liver
MFT Metabolic
NER Nervous System
NOI Nuisance dust
NO4 CNS DEV IRR KID MFT

2B Possibly carcinogenic to humans
DEV Developmental

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
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Hazardous Products Formed:

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

Explosive Limits:
(% by volume in air) Lower 3.2% Ethylene glycol
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 Loctite 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
More than 300°F
pH: Not Applicable
Solubility in Water: Slight
Specific Gravity: RESIN: = 1.68
HARDENER: = 1.40

Volatile Organic Compound

Loctite Corporation

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MATERIAL SAFETY DATA SHEET

Page 6 of 6

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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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Revision Date: January 22, 1996

Revision: 0033

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