

MATERIAL SAFETY DATA SHEET

Loctite One Minute Epoxy Instant Mix

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite One Minute Epoxy Instant Mix
Product Type: Epoxy

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
RESIN		
Epoxy resin	2508599-8	60-100
HARDENER		
1,5-Diazabicyclo [5.4.0] undec-5-ene	6674-22-2	1-5
2,2'-Oxybis(N,N-Dimethyl ethanamine)	3033-62-3	3-7
Poly alkoxyated hydroxyalkyl thiol	Proprietary	
Triethylenetetramine, methyloxirane polymer	26950-63-0	7-13

Ingredients which have exposure limits

Ingredients	Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
HARDENER				
1,5-Diazabicyclo [5.4.0] undec-5-ene		not available		
2,2'-Oxybis(N,N-Dimethyl ethanamine)		0.33mg/m3(TWA) 1.0 mg/m3 (STEL)		
Poly alkoxyated hydroxyalkyl thiol		not available		
Triethylenetetramine, methyloxirane polymer		not available		

3. HAZARDS IDENTIFICATION

Toxicity: Causes eye and skin burns.
May cause allergic skin and respiratory reaction.
May cause respiratory tract irritation.
May be harmful if absorbed through skin.

3. HAZARDS IDENTIFICATION

Primary Routes of Entry: Ingestion, skin, inhalation, eye contact
Signs and Symptoms of Exposure: Eye or skin irritation or injury. Allergic responses such as sensitization or dermatitis.
Existing Conditions Aggravated by Exposure: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders. Asthma

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MATERIAL SAFETY DATA SHEET

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

RESIN		
Epoxy resin	ALG IRR	NO NO NO

HARDENER	
2,2'-Oxybis(N,N-Dimethyl ethanamine)	MUT COR

Abbreviations

ALG Allergen	COR Corrosive	IRR Irritant	MUT Mutagen
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4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Wash immediately with soap and water. Do not use solvents for cleaning skin. If irritation should develop, consult physician
Eye Contact:	Flush copiously with water for 20 minutes and get prompt Medical attention. Washing within one minute is essential to achieve maximum effectiveness.

5. FIRE FIGHTING MEASURES

Flash Point:	More than 93 °C (200°F)	Method: Tag Closed Cup
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Recommended Extinguishing Agents:	Water spray (fog) Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Hazardous Products formed by Fire or Thermal Decomp:	phenolics, carbon monoxide, carbon dioxide, hydrogen sulphide, oxides of sulphur and nitrogen.
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Unusual Fire or Explosion Hazards:	None
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Explosive Limits:	
(% 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:	Avoid skin contact. Scrape up as much as possible. Clean residues with solvent or soap and water.
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MATERIAL SAFETY DATA SHEET

Page 03 of 05

Loctite One Minute Epoxy Instant Mix

7. HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Store at or below 100°F. Store in original container until ready to use. Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber gloves.

Ventilation: Sufficient to maintain vapor concentration below TLV.

Respiratory: Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Hardener: yellow liquid Resin: colourless to pale yellow

Odor: Hardener: unpleasant/epoxy Resin: mild

Boiling Point: More than 300°F

pH: Not Applicable

Solubility in Water: Hardener:dispersable in water Resin: none

Specific Gravity Resin 1.16, Hardener 1.12

Vapor Pressure: Less than 5mm Hg at 20°C (68°F)

Vapor Density: Not available

Evaporation Rate
(Ether = 1) Not Available

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong oxidizers, acids, Halogenated compounds. Strong mineral acids. Reactive materials. Calcium hypochlorite. Sodium hypochlorite. Nitrous acid and other nitrosating agents.

Conditions to Avoid: Excessive heat. Storage with incompatible materials.

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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.

14. TRANSPORTATION INFORMATION

All shipping descriptions result from components in hardener. Resin is not regulated.

DOT (49 CFR 172) Domestic Ground Transport

Proper Shipping Name: Consumer Commodity ORM-D (Not more than 1 liter);
Corrosive liquids, basic, organic, n.o.s.
(bicyclic amidine)
Class 8, Packing Group III (More than four liters)
UN 3267

IATA

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.
(bicyclic amidine)
Class or Division: Class 8, Packing Group III
UN or ID Number: UN 3267

IMO/IMDG

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.
(bicyclic amidine)
Class or Division: Class 8, Packing Group III
UN or ID Number: UN 3267

15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None

CERCLA/SARA Section 302 EHS: None above reporting minimus.
CERCLA/SARA Section 311/312: Immediate health hazard
CERCLA/SARA Section 313: None above reporting minimus.

HENKEL CORPORATION

02/19/08

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MATERIAL SAFETY DATA SHEET

Page 05 of 05

Product Name: Loctite One Minute Epoxy Instant Mix

Estimated HMIS(R) Code:

Health Hazard:	3
Flammability Hazard:	1
Reactivity Hazards:	1
Personal Protection:	See Section 8.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared by:

Company: Henkel Consumer Adhesive
Regulatory Affairs (440) 937-7000