

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

MATERIAL SAFETY DATA SHEET

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HYSOL 608
83086 HARDENER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HYSOL 608
Item No.: 83086 HARDENER Part of Kit: 83086
Product Type: Epoxy Hardener

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % |
|-----------------------------------------------|-------------|--------|
| Mercaptan terminated polymer | Proprietary | 60-100 |
| Substituted aminophenol | 90-72-2 | 7-13 |
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | 112945-52-5 | 3-7 |
| ETHYLENE GLYCOL* | 107-21-1 | 1-5 |

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

NJ TSRN 06-070-1067-5247P

Ingredients which have exposure limits

| Exposure Limits (TWA) Ingredients | ACGIH (TLV) | OSHA (PEL) | OTHER |
|-----------------------------------------------|------------------------------------|-----------------------------------|---------------------------|
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | 10 mg/m3 TWA | 6 mg/m3 TWA | 3 mg/m3 TWA resp. dust |
| ETHYLENE GLYCOL | None | 50 ppm ceiling 125mg/m3ceiling | None |
| Exposure Limits (STEL) Ingredients | ACGIH (TLV) | OSHA (PEL) | |
| ETHYLENE GLYCOL | 39.4ppm ceil ar 100mg/m3 ceil a | None | |

3. HAZARDS IDENTIFICATION

Toxicity: Causes eye and skin irritation.

Primary Routes of Entry: Eyes: May cause eye irritation.

Skin: May cause skin irritation on prolonged or repeated exposure.

Inhalation: May cause irritation to nose and

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3. HAZARDS IDENTIFICATION (continued)

throat.
 Ingestion: Harmful if swallowed.
 Signs and Symptoms of Exposure: see above
 Existing Conditions Aggravated by Exposure: None known

| Ingredients | Literature Referenced Target Organ and Other Health Effects | Carcinogen | | |
|-----------------------------------------------|----------------------------------------------------------------|------------|------|------|
| | | NTP | IARC | OSHA |
| Mercaptan terminated polymer | No Data | NO | NO | NO |
| Substituted aminophenol | ALG IRR | NO | NO | NO |
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | NUI | NO | N/A | NO |
| ETHYLENE GLYCOL | BLO BNM CNS DEV EYE IRR KID LIV MET | NO | NO | NO |

Abbreviations

| | |
|----------------------------|-------------------|
| N/A Not Applicable | ALG Allergen |
| BLO Blood | BNM Bone Marrow |
| CNS Central nervous system | DEV Developmental |
| EYE Eyes | IRR Irritant |
| KID Kidney | LIV Liver |
| MET Metabolic | NUI Nuisance dust |

4. FIRST AID MEASURES

Ingestion: Keep individual calm. DO NOT induce vomiting.
 Give 3 or 4 glasses of milk or water.
 Get medical attention immediately.

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin Contact: Immediately flush skin with plenty of water (using soap, if available) for at least 15 minutes.
 Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Seek immediate medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point: 315°F COC
Recommended
Extinguishing Agents: Water fog, foam, dry chemical or carbon dioxide
Special Firefighting
Procedures: Firefighters should wear self contained breathing apparatus (SCBA) and full turn out gear.

Hazardous Products formed
by Fire or Thermal Decomp Carbon monoxide, carbon dioxide, smoke.
nitrogen oxides.

Unusual Fire or
Explosion Hazards: None

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: Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. Immediately contact emergency personnel. Keep unnecessary personnel away. Avoid contact with material.

7. HANDLING AND STORAGE

Safe Storage: Keep containers tightly closed and sealed until ready to use. Store in a cool, dry place.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical splash goggles or safety glasses with side shields.

Skin: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

(continued)

Ventilation: Use local exhaust ventilation if the potential for airborne exposure exists.

Respiratory Use a NIOSH approved respirator if ventilation is not sufficient and the potential exists to exceed any exposure limit.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent amber paste
Odor: Slight ammonia odor
Boiling Point: 500 Degrees F
pH: Does not apply
Solubility in Water: 20%
Specific Gravity 1.15
Volatile Organic Compound
(EPA Method 24) 13.21 g/l; 1.15%
Vapor Pressure: <.01 mmHg @20 C
Vapor Density: 5
Evaporation Rate
(Ether = 1) <.01

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Oxidizing agents. Acids.

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

11. TOXICOLOGICAL INFORMATION

Product toxicological data not available

12. ECOLOGICAL INFORMATION

No data available

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13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number
Not a RCRA hazardous material for disposal.

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: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm- 1,4-dioxane, acetaldehyde ethylene oxide.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 0
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: BEVERLY FISCHER
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Company: Henkel Loctite Corporation, Rocky Hill CT 06067

HENKEL LOCTITE CORPORATION

10/28/02

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16. OTHER INFORMATION

(continued)

(24hr.) Phone: (860) 571-5100
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