



Revision Date: 06/01/2004

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** FAST CURE MIXER CUPS 1 OZ CAN  
**Product type:** Epoxy Resin  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item number:** 21426\_RESIN  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Alumina trihydrate 21645-51-2	30-60	None	None	None
Reaction product of epichlorohydrin and bisphenol A 25085-99-8	10-30	None	None	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	10-30	None	None	None
Titanium dioxide 13463-67-7	5-10	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA	None

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

**Physical state:** Paste  
**Color:** White  
**Odor:** Mild

**HEALTH:** 2  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See Section 8

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Eye contact, Ingestion, Inhalation, Skin contact

#### Potential Health Effects

**Inhalation:** Mild respiratory tract irritation. May cause irritation to nose and throat.  
**Skin contact:** Allergic skin reaction. Moderate skin irritation. Itching. Redness.  
**Eye contact:** Moderate eye irritation. Redness.  
**Ingestion:** Not expected under normal conditions of use.

**Existing conditions aggravated by exposure:** Skin disorders. Skin allergies. Respiratory disorders. Eye disorders.

See Section 11 for additional toxicological information.

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#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get medical attention if symptoms develop and persist.
<b>Notes to physician:</b>	None.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F) Tagliabue closed cup
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
<b>Hazardous combustion products:</b>	Oxides of carbon. Irritating organic fragments.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	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.
<b>Storage:</b>	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.
<b>Incompatible products:</b>	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
<b>Respiratory protection:</b>	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves.

**Eye/face protection:** Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste  
**Color:** White  
**Odor:** Mild  
**Vapor pressure:** Nil  
**pH:** Not applicable  
**Boiling point/range:** Greater than 149°C (300°F)  
**Melting point/range:** Not available  
**Specific gravity:** 1.68  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Slightly soluble  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 0.47%; 7.9 grams/liter 0.038% (value for resin and hardener together)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** None  
**Incompatibility:** Strong acids. Strong bases. Strong oxidizers.  
**Conditions to avoid:** Excessive heat. Storage with incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alumina trihydrate 21645-51-2	No	No	No
Reaction product of epichlorohydrin and bisphenol A 25085-99-8	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	No	No	No
Titanium dioxide 13463-67-7	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Alumina trihydrate 21645-51-2	Irritant, Lung, Respiratory
Reaction product of epichlorohydrin and bisphenol A 25085-99-8	Allergen, Irritant
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	Allergen, Irritant
Titanium dioxide 13463-67-7	Irritant, Respiratory

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

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## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose according to EPA and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

### U.S. Department of Transportation Ground (49 CFR):

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### International Air Transportation (ICAO/IATA):

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### Water Transportation (IMO/IMDG):

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None
<b>Marine pollutant:</b>	None known

## 15. REGULATORY INFORMATION

### United States Regulatory 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:** Bisphenol A diglycidyl ether (CAS# 1675-54-3).

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard  
**CERCLA/SARA 313:** None above reporting de minimus.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer. 1,4-Dioxane (CAS# 123-91-1). Acetaldehyde (CAS# 75-07-0). Ethylene oxide (CAS# 75-21-8). Benz{a}anthracene (56-55-3).

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances list.  
**WHMIS hazard class:** D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Revised to new format.

Prepared by: Gary Pierson, Health and Regulatory Affairs Specialist

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