

Revision Date: 12/16/2004

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** 90C Sealant Stock Solution  
**Product type:** Sealant  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 17564 / IDH No. 209549  
**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>
Polyglycol dimethacrylate 109-16-0	60-100	None	None	None
Alkyl C12 methacrylate 142-90-5	5-10	None	None	50 ppm
Proprietary surfactant Unknown	5-10	None	None	None
Hydroxyalkyl methacrylate 27813-02-1	1-5	None	None	1 ppm TWA; 3 ppm STEL
Tetradecyl methacrylate 2549-53-3	1-5	None	None	50 ppm TWA; 75 ppm STEL

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

HMIS:

**Physical state:** Liquid  
**Color:** Clear  
**Odor:** Mild

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

**WARNING:** CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Irritating to skin. May cause allergic skin reaction.  
**Eye contact:** Severe eye irritation.  
**Ingestion:** May be harmful if swallowed.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

## 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>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors. Acrid smoke and fumes.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	For safe storage, store at or below 10°C (50°F). 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 ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

**See Section 2 for exposure limits.**

Physical state:	Liquid
Color:	Clear
Odor:	Mild
Vapor pressure:	Less than 5 mm Hg at 27°C (80°F)
pH:	Not applicable
Boiling point/range:	Greater than 149°C (300°F)
Melting point/range:	Not available
Specific gravity:	1.0
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	Not available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Hazardous polymerization may occur in the presence of excess peroxides and metals contamination. Excess heat may also cause hazardous polymerization.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.
<b>Incompatibility:</b>	Reducing agents. Strong oxidizers. Strong alkalis. Amines. Metal oxides. Heavy metals. Oxygen scavengers. Free radical initiators. Other polymerization initiators.
<b>Conditions to avoid:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

<b>Product toxicity data:</b>	Acute LD50 (oral) :Greater than 5000 (rat). (estimated). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).
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### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyglycol dimethacrylate 109-16-0	No	No	No
Alkyl C12 methacrylate 142-90-5	No	No	No
Proprietary surfactant Unknown	No	No	No
Hydroxyalkyl methacrylate 27813-02-1	No	No	No
Tetradecyl methacrylate 2549-53-3	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyglycol dimethacrylate 109-16-0	Allergen, Irritant
Alkyl C12 methacrylate 142-90-5	Allergen, Irritant
Proprietary surfactant Unknown	No data
Hydroxyalkyl methacrylate 27813-02-1	Allergen, Irritant
Tetradecyl methacrylate 2549-53-3	Allergen, Irritant

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Not available
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### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

### 14. TRANSPORT INFORMATION

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

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

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

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

#### Water Transportation (IMO/IMDG):

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	None

### 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: 4-Methoxyphenol (150-76-5).

CERCLA/SARA Section 302 EHS: None above reporting de minimus.  
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed 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 and birth defects or other reproductive harm.

#### Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List. Those components must be tracked by all Canadian Importers of Record as required by the Canadian Environmental Protection Agency. They may be imported into Canada in limited quantities. Please contact Loctite Health & Regulatory Affairs Department for details.

WHMIS hazard class: D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Regulatory Affairs

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