

View Section : **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16****SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

(N/A)

Product Name: **680 Retaining Compound**
Manufacturer Name: Henkel Loctite, Inc.
Address: 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

 Emergency telephone: (860) 571-5100
 ROCKY HILL, CONNECTICUT 06067
Product Description: Product type: Anaerobic Adhesive

Business Phone: (860) 571-5100
Revision Date: 04/01/2003
Comments: Henkel Technologies

 Region: United States

 HMIS:
 Personal Protection: See Section 8

Product Codes: 68035

HMIS

HEALTH	1
FIRE	1
REACTIVITY	1
PPE	

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**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

: (N/A)

Ingredient Name	CAS#	Ingredient Percent
Aromatic dimethacrylate ester OSHA PEL TWA: None ACGIH TLV TWA: None Hazardous: Yes EC Index Number: 1 Other Exposure Guidelines: None	24448-20-2	30-60%
Polyglycol dimethacrylate OSHA PEL TWA: None ACGIH TLV TWA: None Hazardous: Yes EC Index Number: 1	25852-47-5	1-5%
Hydroxyalkyl methacrylate OSHA PEL TWA: None ACGIH TLV TWA: None Hazardous: Yes EC Index Number: 1 Other Exposure Guidelines: 1 ppm TWA; 3 ppm STEL	27813-02-1	10-30%
Cumene hydroperoxide OSHA PEL TWA: None ACGIH TLV TWA: None Hazardous: Yes EC Index Number: 1 Other Exposure Guidelines: 1 ppm (6 mg/m3) Skin (WEEL)	80-15-9	1-5%
Methacrylate ester OSHA PEL TWA: None ACGIH TLV TWA: None Hazardous: Yes EC Index Number: 1 Other Exposure Guidelines: None	PROPRIETARY	1-5%
Methacrylic acid OSHA PEL TWA: None ACGIH TLV TWA: 20 ppm Hazardous: Yes EC Index Number: 1 Other Exposure Guidelines: None	79-41-4	1-5%
Bisphenol A fumarate resin	39382-25-7	10-30%

OSHA PEL TWA: None
ACGIH TLV TWA: None
Hazardous: Yes
EC Index Number: 1

Other Exposure Guidelines: None

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SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Physical State: Liquid
Color: Green
Odor: Mild
HMIS: HEALTH: 1*
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

Applies to all ingredients:

Route of Exposure: Skin, Inhalation, Eyes.
Potential Health Effects:
Eye Contact: Contact with eyes will cause irritation.
Skin Contact: May cause allergic skin reaction.
Inhalation: May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Aggravation of Pre-Existing Conditions: Dermatitis.
See Section 11 for additional toxicological information.

Cumene hydroperoxide :

Target Organs: Central nervous system

Methacrylate ester :

Target Organs: No data

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SECTION 4 : FIRST AID MEASURES

: (N/A)

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

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SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

Flash Point: > 93 deg C (200 deg F)
Flash Point Method: Tagliabue closed cup
Upper Flammable or Explosive Limit: Not available
Lower Flammable or Explosive Limit: Not available
Auto Ignition Temperature: Not available
Extinguishing Media: Foam, dry chemical or carbon dioxide.
Hazardous Combustion Byproducts: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.
Fire Fighting Instructions: None
Unusual Fire Hazards: None

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

: (N/A)

Spill Cleanup Measures: Ensure adequate ventilation. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.
Environmental Precautions: Prevent product from entering drains or open waters.

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SECTION 7 : HANDLING and STORAGE

: (N/A)

Handling: Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.
Storage: For safe storage, store at or below 38 deg C (100 deg F).
Incompatible products: Refer to Section 10.
For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

: (N/A)

Engineering Controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Skin Protection Description:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Eye/Face Protection:	Safety goggles or safety glasses with side shields.
Respiratory Protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Exposure Limits:	See Section 2 for exposure limits.

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: (N/A)

Physical State/Appearance:	Liquid
Color:	Green
Odor:	Mild
pH:	Not applicable
Vapor Pressure:	< 5 mm Hg at 27 deg C (80 deg F)
Vapor Density:	Not available
Boiling Point:	> 149 deg C (300 deg F)
Melting Point:	Not available
Solubility:	In water: Slight
Solubility in Water:	Slight
Specific Gravity:	1.11
Evaporation Point:	Not available
Volatile Organic Compound Content:	38.4%; 426 grams/liter (EPA Method 24)
Coefficient of Water/Oil Distribution:	Not available

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: (N/A)

Chemical Stability:	Stable.
Conditions to Avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" in Section 10.
Incompatibilities with Other Materials:	Strong oxidizers.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.

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: (N/A)

Applies to all ingredients:

Skin Effects:	Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).
Ingestion Effects:	Acute oral LD50 greater than 10, 000 mg/kg (rat).

Aromatic dimethacrylate ester :

Carcinogenicity:	NTP: No IARC: No OSHA: No
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Irritation:	Irritant
Other Toxicological Information:	Allergen

Polyglycol dimethacrylate :

Carcinogenicity:	NTP: No IARC: No OSHA: No
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Irritation:	Irritant
Other Toxicological Information:	Allergen

Hydroxyalkyl methacrylate :

Carcinogenicity:	NTP: No IARC: No OSHA: No
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Irritation:	Irritant
Other Toxicological Information:	Allergen

Cumene hydroperoxide :

Carcinogenicity:	NTP: No IARC: No OSHA: No
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Mutagenicity:	Mutagen
Irritation:	Irritant
Other Toxicological Information:	Allergen, Central nervous system, Corrosive

Methacrylate ester :

Carcinogenicity:	NTP: No IARC: No OSHA: No
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Other Toxicological Information:	No data
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Methacrylic acid :

Carcinogenicity: NTP: No
IARC: No
OSHA: No

Irritation: Irritant

Other Toxicological Information: Allergen, Corrosive

Bisphenol A fumarate resin :

Carcinogenicity: NTP: No
IARC: No
OSHA: No

Irritation: Irritant

Other Toxicological Information: Allergen

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: (N/A)

Ecological Paragraph: Not available.

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: (N/A)

Waste Disposal: Dispose of according to Federal, State and local governmental regulations.

EPA Waste Number: Not a RCRA hazardous waste.

Comments: Information provided is for unused product only.

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: (N/A)

DOT Shipping Name: U.S. DOT 49 CFR: Unrestricted

DOT Hazard Class: None

DOT Identification Number: None

DOT Packing Group: None

IMO: Identification number: None

IMO Shipping Name: Unrestricted

IMO Hazard Class: None

IMO Packing Group: None

IATA: Identification number: None

IATA Shipping Name: Unrestricted

IATA Hazard Class: None

IATA Packing Group: None

Maritime Transportation CGVS/GGVE/IMDG: Proper shipping name: Unrestricted

CGVS/GGVE/IMDG UN or NA Identification Number: None

CGVS/GGVE/IMDG Class: None

CGVS/GGVE/IMDG Packaging Group: None

Maritime Pollutant: None

International Air Transportation (ICAO):
Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

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: (N/A)

Applies to All Ingredients :

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.

Section 302: CERCLA/SARA Section 302 EHS: None above reporting de minimus.

Section 312 Hazard Category: CERCLA/SARA Section 311/312:

Acute: Yes

Chronic: Yes

State: California Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
Component: o-Toluidine
CAS#: 95-53-4

Component: C.I. Solvent yellow 14
CAS#: 842-07-9

Component: Propylene oxide
CAS#: 75-56-9

Canada WHMIS: WHMIS hazard class: D.2.A. D.2.B

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

Cumene hydroperoxide :

Section 313 Toxic Release Form :

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).
Component: Cumene hydroperoxide
CAS#: 80-15-9

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

HMIS:

Health Hazard: 1*
Fire Hazard: 1
Reactivity: 1
Personal Protection: See Section 8.

MSDS Revision Date: 04/01/2003

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

MSDS Author: Stephen Repetto, Senior Health & Regulatory Affairs Specialist.

MSDS Author Phone No.: (860) 571-5100

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