

## MATERIAL SAFETY DATA SHEET

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- 1.1 Product Trade Name: Repair Material Liquid  
1.2 Part (Item) Number: 680007

## SECTION I

- 1.3 Division Name..... Caulk/Dentsply  
1.4 Address..... Lakeview and Clarke Avenues  
Milford, DE 19963-0359  
1.5 Emergency Phone Number..... (302) 422-4511  
1.6 Phone No. for Info..... (302) 422-4511  
1.7 Date Prepared: 9/27/89

**SECTION II - Hazardous Ingredients/Identity Information**

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits
Methyl methacrylate monomer	: 100 ppm	: 100 ppm	:
Ethylene glycol dimethacrylate	: --	: --	: 1 mg/m3
	:	:	:
	:	:	:
	:	:	:
	:	:	:

### SECTION III - Physical/Chemical Characteristics

- 3.1 Boiling Point.....: 214 F .6 Specific Gravity: 0.94  
 3.2 Vapor Pressure.....: 29 mm Hg .7 Melting Point...: n.e.  
 3.3 Vapor Density.....: 3.45 3.8 Evaporation Rate: n.e.  
 3.4 Solubility in Water: slight

3.5 Appearance and Odor: Colorless liquid with acrylic odor.

SECTION IV - Fire and Explosion Hazard Data

- 4.1 Flash Point (Method Used).....: 55 F (O.C.); 50 F (C.C.)

4.2 Flammable (Explosive Limits).....:  
LEL: 2.1%            UEL: 12.5%

4.3 Extinguishing Media.....: Foam, carbon dioxide, dry chemical.

4.4 Special Fire Fighting Procedures.: Wear MESA/NIOSH approved self-contained breathing apparatus. Fight fire from a safe distance or a protected area. Use cold water spray to cool fire exposed containers of the product.

4.5 Unusual Fire and Explosion Hazards: Vapors may travel to source of ignition and flash back. Heat can induce polymerization with rapid release of energy which may rupture containers explosively.

## SECTION V - Reactivity Data

- 5.1 Unstable:      Stable: X  
5.2 Conditions to Avoid (Stability).....: Elevated temperatures and ignition sources.  
5.3 Incompatibility (Materials to Avoid) : Reducing and oxidizing agents.  
5.4 Hazardous Decomposition or Byproducts: Acid fumes and carbon monoxide and/or carbon dioxide.  
5.5 Hazardous Polymerization.....May Occur: X      Will Not Occur:  
5.6 Conditions to Avoid (Polymerization) : Elevated temperatures, reducing and dizing agents.

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## SECTION VI - Health Hazard Data

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6.1 Route(s) of Entry....Inhalation?: Yes Skin?: Poss Ingestion?: Yes  
6.2 Health Hazards (Acute and Chronic): Eye contact: irritation and possible corneal damage. Inhalation: headache, nausea, drowsiness, and unconsciousness. Skin contact: irritation and skin rash.

6.3 Carcinogenicity.....NTP?: No IARC Monographs?: No  
OSHA Regulated?: No

6.4 Signs and Symptoms of Exposure....: High vapor concentrations can induce headache, nausea, smarting of eyes, and irritation of respiratory system. Liquid contact with eyes or skin can cause irritation.

6.5 Medical Conditions Generally Aggravated by Exposure: May cause skin irritation or rash in sensitive people.

6.6 Emergency First Aid Procedures.....: Inhalation: move subject to fresh air. Give oxygen or artificial respiration as required. Ingestion: Induce vomiting and consult physician immediately. Eye and skin contact: Flush eyes with water for at least 15 minutes and consult physician if irritation is apparent. Wash skin with soap and water.

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## SECTION VII - Precautions for Safe Handling and Use

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7.1 Steps to be Taken in Case Material is Released or Spilled: Eliminate ignition sources. Avoid breathing vapors. Dike and absorb spill with inert material (sand, soda, ash, vermiculite, etc.) and transfer to containers for disposal using non-sparking tools. Remove saturated clothing and wash affected skin areas with soap and water.

7.2 Waste Disposal Methods: Dispose of in accordance with Federal, State and Local regulations.

7.3 Precautions to be Taken in Handling and Storage: Store at ambient temperatures and out of direct sunlight. Keep away from sparks and open flame.

7.4 Other Precautions: Avoid repeated breathing and contact with skin. Use adequate ventilation.

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## SECTION VIII - Control Measures

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8.1 Respiratory Protection : Self contained breathing apparatus during high vapor concentration.

8.2 Ventilation.....: Use local exhaust to keep below TLV and LEL. Explosion-proof motors should be used in mechanical ventilation.

8.3 Protective Gloves.....: Impervious gloves.

8.4 Eye Protection.....: Splash proof goggles.

8.5 Other Protective Clothing or Equipment: Impervious apron and overshoes during clean-up operation.

8.6 Work/Hygienic Practices: Observe normal care when working with chemicals.