

**1. Chemical Product and Contact Information**

**Product Name:** Breeze® Self-Adhesive Resin Cement

**Material Safety Sheet Number:** 00311  
**Date of Issue:** 04/03/08  
**Revision Date:** 10/23/09

**Company Identification:** Pentron Clinical  
 1717 West Collins Ave.  
 Orange, CA 92867  
 Phone: 800-551-0283  
 203-265-7397

**Emergency Information Chemtec:** 800-424-9300  
**Chemtec International:** 202-483-7616

**2. Composition/Information on Ingredients**

**Chemical characteristics:** Mixture of BISGMA, UDMA, TEGDMA, HEMA, & 4-MET resins, silane-treated bariumborosilicate glasses, silica with initiators, stabilizers and UV absorber, organic and/or inorganic pigments, opacifiers.  
 \*contains a small amount of aluminum oxide.

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
BIS-GMA	1565-922	N/E	N/E
UDMA	74389-53-0	N/E	N/E
TEGDMA	109-10-6	N/E	N/E
HEMA	868-77-9	N/E	N/E
4-MET	N/A	N/E	N/E
Silane treated barium glass	N/E	N/E	N/E
Silica (amorphous)	69012-64-2	N/E	2R
Minor additives	Various	N/A	N/A
BiOcl	7787-59-9	N/E	N/E
Curing System	Various	N/E	N/E
Ca-Al-F-silicate	Various	N/E	N/E

**3. Hazard Identification**

**Risk identification:** None known.  
**Special risks for human beings and environment:** None known.  
**Classification:** Not hazardous. Those people known to be allergic to methacrylate resins should avoid the use of this product.

**4. First Aid Measures**

**After skin contact:** Wash with plenty of soap and water.  
**After eye contact:** Rinse with plenty of water and contact an ophthalmologist.  
**After swallowing:** Seek medical advice immediately.

**5. Fire Fighting Measures**

**Extinguishing media:** CO<sub>2</sub>, water, dry chemical.  
**Protective equipment:** Unknown.

**6. Accidental Release Measures**

**Personal precautions:** Unknown.  
**Environmental precautions:** Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.  
**Methods for cleaning up:** Dispose according to Federal, State, and local regulations.  
**Additional information:** Unknown.

**7. Handling and Storage**

**Handling:** Practice good hygienic measures.  
**Storage:** Refrigeration required. Store between 2 - 8°C, away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.

**8. Exposure Controls/Personal Protection**

Personal protective equipment:	Protective gloves, goggles are recommended.
General measure of protection and hygiene:	Normal hygienic measures.
Respiration:	Not necessary.
Hands:	Protective gloves.
Eyes:	OSHA approved goggles.

**9. Physical and Chemical Properties**

Appearance:	Form:	Paste
	Color:	Shaded base part, white catalyst part.
	Odor:	Ester-like.

Information on change in the physical state	
Melting point/melting range:	Unknown.
Boiling point/boiling range:	Unknown.
Flash point:	Unknown.
Autoignition temperature:	Unknown.
Danger of explosion:	Unlikely.
Density:	1.5-1.8 gm/cm <sup>3</sup>
Vapor pressure:	Unknown.
Viscosity:	Unknown.
pH:	Unknown.
Solubility in/miscibility with Water:	Slightly.
Content of solvents:	None.
Organic solvents:	None.
Content of solids:	≥65%

**10. Stability and Reactivity**

Incompatibility with other substances:	Stable. Avoid exposure of base to peroxide and excessive heat. Avoid exposure of catalyst to amine and excessive heat.
Hazardous decomposition products:	Unknown.

**11. Toxicological Information**

Carcinogenicity:	None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.
TLV:	Unknown.
Primary routes of entry:	Inhalation, skin, and eyes.

**12. Ecological Information**

General information:	Unknown.
Classification of water endangerment:	Unknown.

**13. Disposal Considerations**

Disposal consideration:	Dispose in accordance with Federal, State, and local regulations.
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**14. Transport Information**

Not classified as dangerous goods.

**15. Regulatory information**

Classification according to EEC guidelines:	Unknown.
National Prescriptions:	Unknown.
Classification according to VbF:	Unknown.

**16. Other Information**

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