



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00073

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April 5, 2006

1. Chemical Product and Contact Information

Product Name: Cement-It® Universal C&B™ cement

Material Safety Sheet Number: 00073

Date of Issue: 04/21/99

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Company Identification: Pentron Clinical Technologies, LLC
68 North Plains Industrial Road
Wallingford, CT U.S.A. 06492
Phone: 800-551-0283
203-265-7397

Emergency Information Chemtrec: 800-424-9300

Chemtrec International: 202-483-7616

2. Composition/Information on Ingredients

Chemical characteristics: Mixture of BISGMA, UDMA, HDDMA, PEGDMA, & phosphate 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 ³	
		OSHA PEL	ACGIH TLV
BIS-GMA	1565-922	N/E	N/E
UDMA	74389-53-0	N/E	N/E
HDDMA	6606-59-3	N/E	N/E
PEGDMA	2582-27-5	N/E	N/E
Methacrylate phosphate	32435-45-4	N/E	N/E
Camphorquinone	10373-78-1	N/E	N/E
Silane treated barium glass	N/A	N/A	N/A
Silica (amorphous)	69012-64-2	N/E	2R
Tertiary Amine	10287-53-3	N/E	N/E
Benzoyl Peroxide	94-36-0	5	5
Minor additives	Various	N/A	N/A

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

General information:

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:

CO₂, 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 36°F-55°F (2°C-12°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: 1.7 gm/cm³
 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.

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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