



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00072
Page 1 of 2
March 24, 2006

1. Chemical Product and Contact Information

Product Name: Bond-1® C & B™ Primer/Adhesive
Material Safety Sheet Number: 00072
Date of Issue: 01/13/00
Revision Date: 03/24/06
Company Identification: Pentron Clinical Technologies, LLC
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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: Methacrylate monomers in Ethanol and/or Acetone.

Description: Mixture of PMGDM, a condensation product of PMDA and Glycerol Dimethacrylate in ethanol and/or acetone with photo initiator, amine accelerator & stabilizer.

Hazardous components:

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Ethyl Alcohol	64-17-5	1900	1880
Acetone	67-64-1	2400	1188
PMGDM	N.E.	Unknown	Unknown
HEMA	868-77-9	Unknown	Unknown
CQ	10373-78-1	Unknown	Unknown
Amine Accelerator	10287-53-3	Unknown	Unknown
BHT	128-37-0	Unknown	2 i ^(v)
H ₂ O	7732-18-5	Unknown	Unknown

3. Hazard Identification

Those people known to be allergic to methacrylate resins should avoid the use of this product. Irritation may occur if skin or oral mucous is in direct contact with the material.

4. First Aid Measures

Contact with eyes: Rinse with plenty of water and consult an ophthalmologist.
Contact with skin: Wash with soap and water.
After ingestion: Seek medical attention immediately.

5. Fire Fighting Measures

Extinguishing media: CO₂, water, dry chemical.
Protective equipment: Unknown.

6. Accidental Release Measures

In case of spillage: Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.
Waste Disposal: Dispose in accordance to Federal, State, and local regulations.

7. Handling and Storage

Store material between 36°F-55°F (2°C-12°C), away from direct sunlight, initiators, and/or reducing agents. Over time spontaneous polymerization may occur.



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00072

Page 2 of 2

March 24, 2006

8. Exposure Controls/Personal Protection

Respiratory protection: Face mask recommended for prolonged exposure.
Eye protection: OSHA approved goggles.
Protective gloves: Yes.

9. Physical and Chemical Properties

Appearance: Form: Liquid.
 Color: Slight yellow, clear.
 Odor: Acetone and/or alcohol-like.

Melting point/melting range: Unknown.
Boiling point: Unknown.
Flash point: About 101° C.
Autoigniton temperature: 360° C.
Danger of explosion: Unlikely.
Density: < 1 g/cm³.
Vapor Pressure: 184.
Viscosity: Unknown.
pH: Not applicable.
Solubility in/miscibility with:
Water: Yes.
Content of resin: ≤ 45%.
Organic solvents: ≥50%.
Water: ≤ 5%.

10. Stability and Reactivity

Stability: Stable.
Conditions to avoid: Heat, sparks & open flames.
Incompatibility: Acids, oxidizing agent, alkalis, amines, ammonia and chlorinated compounds.

11. Toxicological Information

Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.
TLV: Oral rat 5.2 ml/kg.
Primary Routes of entry: Inhalation, skin, and eyes.

12. Ecological Information

Unknown.

13. Disposal Considerations

Dispose in accordance with Federal, State, and local regulations.

14. Transport Information

Not classified as dangerous goods.

15. Regulatory Information

Unknown.

16. Other Information

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