



1. Chemical Product and Contact Information

Product Name: **Bond-1[®] Primer/Adhesive**

Material Safety Sheet Number: **00006**

Date of Issue: 12/17/99

Revision Date: 1/13/00

Company Identification: **Pentron Clinical Technologies, LLC**

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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 HEMA and TMPTMA in ethanol and/or acetone with photo initiator, amine accelerator & stabilizer.

Hazardous components:

CAS NR:	Name:	% R-classification:
Cas. Reg. No. 64-17-5	Ethanol	Unknown
Cas. Reg. No. 67-64-1	Acetone	Unknown
Cas. Reg. No. N.E.	PMGDM	Unknown
Cas. Reg. No. 89-32-7	Pyromellitic Dianhydride	Unknown

3. Hazard Identification

Those people known to be allergic to methacrylate resins should avoid the use of this product.

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: Incinerate according to Federal, State, and local regulations in an approved incineration unit, or dispose of in accordance with Federal, State, and local regulations.

7. Handling and Storage

Store material below 80°F, away from direct sunlight, initiators, oxidizing, and/or reducing agents.

Over time spontaneous polymerization may occur.

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

14. Transport Information

Not classified as dangerous goods.

15. Regulatory information

Unknown.

16. Other Information

Revision Summary: The following were made on January 13, 2000:
Section 9 • Changed pH from unknown to not applicable.
• Changed content of solvents < 45 to content of resin ≤ 45%
• Added organic solvents >50%; water < 5%.

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