

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: 11/11/09

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

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	N/E	N/E
TMPTMA	3290-92-4	N/E	N/E
H ₂ O	7732-18-5	N/E	N/E
Photo Curing System	Various	N/E	N/E

3. Hazard Identification

Those people with known allergies 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 in accordance with Federal, State and local regulations.
 Avoid skin contact, wear protective equipment.

7. Handling and Storage

Refrigeration required. Store at 2°- 8°C. Keep 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.
Autoignition temperature: 360° C.
Danger of explosion: Unlikely.
Density: < 1g/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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