



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00159

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May 2, 2006

1. Chemical Product and Contact Information

Product Name: Bond-1[®] Dual Cure Activator

Material Safety Sheet Number: 00159
Date of Issue: 04/18/01
Revision Date: 05/02/06

Company Identification: Pentron Clinical Technologies, LLC
68 N. Plains Industrial Rd.
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: Self-curing initiators dissolved in acetone.
Hazardous components: Benzoyl Peroxide and Acetone.

Element	CAS #	Exposure Limit mg/m ³	
Acetone	67-64-1	2400	1188
Benzoyl Peroxide	94-36-0	5	5

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.
Waste Disposal: Avoid skin contact, wear protective equipment. 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, 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.



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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:	≤ 5%.
Organic solvents:	≥90%.
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 ACGIH 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

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