



**1. Chemical Product and Contact Information**

**Product Name:** **Bond-1® Dual Cure Activator**

**Material Safety Sheet Number:** **00159**

Date of Issue: 4/18/01

Revision Date: Not Applicable

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

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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: Self-curing initiators dissolved in acetone.

Hazardous components:

CAS NR:	Name:	% R-classification:
Cas. Reg. No. 94-36-0	Benzoyl Peroxide	Unknown
Cas. Reg. No. 67-64-1	Acetone	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: CO<sub>2</sub>, 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: ≤ 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 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: Not Applicable

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