

**1. Chemical Product and Contact Information**

**Product Name:** Bond-It® Unfilled Resin Dual Cure Activator

**Material Safety Sheet Number:** 00137  
**Date of Issue:** 01/20/94  
**Revision Date:** 09/20/05  
**Company Identification:** Pentron Clinical Technologies, LLC  
 68 North Plains Industrial Road  
 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:** Mixture of UDMA and HDDMA resins with self curing initiator, stabilizer.  
**Description:** Functional methacrylic esters.

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
UDMA	74389-53-0	N.E.	N.E.
HDDMA	66-06-59-3	N.E.	N.E.
BHT	128-37-0	N.E.	N.E.
Benzoyl Peroxide	94-36-0	5	5

**3. Hazard Identification**

**Special risks for human beings and environment:** Avoid contact with eyes, skin and mucous membranes.  
**Classification:** Unknown.

**4. First Aid Measures**

**After skin contact:** Wash with soap and water. Consult a physician if irritation occurs.  
**After eye contact:** Immediately flush eyes, with eyelids retracted, with plenty of water for 15 min. Consult an ophthalmologist if needed.  
**After swallowing:** Do not induce vomiting. If conscious, give lots of water and get immediate medical attention.

**5. Fire Fighting Measures**

**Extinguishing media:** Chemical foam, carbon dioxide, dry chemical and water.  
**Protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**6. Accidental Release Measures**

**Personal precautions:** Follow common hygienic measures.  
**Environmental precautions:** Do not breathe mists or vapors. Avoid skin contact, wear protective equipment. Absorb with inert material. Collect in closed containers and dispose according to Federal, State, and local regulations.  
**Methods for cleaning up:** Dispose according to Federal, State, and local regulations.  
**Additional information:** Unknown.

**7. Handling and Storage**

**Handling:** Always handle with care.  
**Handling procedures:** Store material between 36°F-55°F (2°C-12°C), away from direct sunlight, initiators, oxidizing, and/or reducing agents. After expiration of storage time, spontaneous polymerization may occur.  
**Recommendation for fire and explosion protection:** Firefighters should wear full protective clothing and gear including a self-contained breathing apparatus.  
**Storage:** Store in cool, dry place.

### **8. Exposure Controls/Personal Protection**

Additional information:

Personal protective equipment:	Protective gloves, goggles are recommended.
General measure of protection and hygiene:	Normal hygienic measures.
Respiration:	Not necessary.
Hands:	Protective gloves.
Eyes:	OSHA approved goggles.

### **9. Physical and Chemical Properties**

Appearance:	Form:	Pale yellow viscous liquid.
	Color:	Clear, slightly yellow.
	Odor:	Esther-like.

Information on change in the physical state

Melting point/melting range:	Not applicable.
Boiling point/boiling range:	Not applicable.
Flash point:	Not applicable.
Autoignation temperature:	Not applicable.
Danger of explosion:	None known.
Vapor density (air 1):	Not applicable.
Vapor pressure:	Not applicable.
Specific gravity:	1.12 gm/cm <sup>3</sup>
Viscosity:	Not applicable.
pH:	Not applicable.
Solubility in/miscibility with water:	No.
Organic solvents:	None known.
Water:	None.
Content of solids:	<5%.

### **10. Stability and Reactivity**

Stability:	Stable. Avoid elevated temperatures, ignition sources, free radical initiators, and/or direct light.
Incompatibility with other substances:	Strong oxidizing and reducing agents and UV light.
Hazardous decomposition products:	Unknown.

### **11. Toxicological Information**

Carcinogenicity:	None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as a carcinogen.
TLV:	For monomer, not applicable.
Primary routes of entry:	Inhalation/ingestion, skin, and eyes.

### **12. Ecological Information**

General information:	Unknown.
Classification of water endangerment:	Unknown.

### **13. Disposal Considerations**

Disposal consideration:	Dispose in accordance with Federal, State and local regulations.
-------------------------	--

### **14. Transport Information**

Not classified as dangerous goods in consumer quantity.

### **15. Regulatory information**

Classification according to EEC guidelines:	Unknown.
National Prescriptions:	Unknown.
Classification according to VbF:	Unknown.

### **16. Other Information**

Revision Summary:	This MSDS was placed into the ANSI-Z400. 1-1998 standard on September 28, 2000 with current data.
-------------------	---

The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof. Pentron Clinical Technologies, LLC however, makes no representations as to the completeness or accuracy of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Pentron Clinical Technologies, LLC, be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.