

1. Chemical Product and Contact Information

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

Material Safety Sheet Number: 00137

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Company Identification: Pentron Clinical
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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 ³	
		OSHA PEL	ACGIH TLV
UDMA	74389-53-0	N.E.	N.E.
HDDMA	6606-59-3	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: Refrigeration required. Store at 2°- 8°C. Store away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over 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 ³
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.
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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

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