

1. Chemical Product and Contact Information

Product Name: Fusio™ Liquid Dentin
Material Safety Sheet Number: 00339
Date of Issue: 10/31/08
Revision Date:
Company Identification: Pentron Clinical Technologies, LLC
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 Wallingford, CT 06492 U.S.A.
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2. Composition/Information on Ingredients

Chemical characteristics: Mixture of UDMA, TEGDMA, HEMA, & 4-MET resins, silane-treated bariumborosilicate glasses, silica with initiators, stabilizers and UV absorber, organic and/or inorganic pigments, opacifiers.
 *contains a small amount of aluminum oxide.

Element	CAS #	Exposure Limit mg/m ³	
		CGIA PEL	ACGIH TLV
UDMA	74389-53-0	N/E	N/E
TEGDMA	109-10-6	N/E	N/E
HEMA	868-77-9	N/E	N/E
4-MET	N/A	N/E	N/E
Silane treated barium glass	N/E	N/E	N/E
Silica (amorphous)	69012-64-2	N/E	2R
Minor additives	Various	N/A	N/A
Photo Curing System	Various	N/E	N/E

3. Hazard Identification

Risk identification: None known.
Special risks for human beings and environment: None known.
Classification: Not hazardous. Those people known to be allergic to methacrylate resins should avoid the use of this product.

4. First Aid Measures

After skin contact: Wash with plenty of soap and water.
After eye contact: Rinse with plenty of water and contact an ophthalmologist.
After swallowing: Seek medical advice immediately.

5. Fire Fighting Measures

Extinguishing media: CO₂, water, dry chemical.
Protective equipment: Unknown.

6. Accidental Release Measures

Personal precautions: Unknown.
Environmental precautions: Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.
Methods for cleaning up: Dispose according to Federal, State, and local regulations.
Additional information: Unknown.

7. Handling and Storage

Handling: Practice good hygienic measures.
Storage: Store between 35°-55°F (2°-12°C), away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.

8. Exposure Controls/Personal Protection	
Personal protective equipment: General measure of protection and hygiene: Respiration: Hands: Eyes:	Protective gloves, goggles are recommended. Normal hygienic measures. Not necessary. Protective gloves. OSHA approved goggles.
9. Physical and Chemical Properties	
Appearance: Form: Color: Odor:	Paste. Shaded. Ester-like.
Information on change in the physical state Melting point/melting range: Boiling point/boiling range: Flash point: Autoignition temperature: Danger of explosion: Density: Vapor pressure: Viscosity: pH: Solubility in/miscibility with Water: Content of solvents: Organic solvents: Content of solids:	Unknown. Unknown. Unknown. Unknown. Unlikely. 1.8 gm/cm ³ Unknown. Unknown. 3-4 in uncured state in water. Slightly. None. None. ≥65%
10. Stability and Reactivity	
Incompatibility with other substances: Hazardous decomposition products:	Stable. Avoid exposure to peroxide and excessive heat. Unknown.
11. Toxicological Information	
Carcinogenicity: TLV: Primary routes of entry:	None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens. Unknown. inhalation, skin, and eyes.
12. Ecological Information	
General information: Classification of water endangerment:	Unknown. Unknown.
13. Disposal Considerations	
Disposal consideration:	Dispose in accordance with Federal, State, and local regulations.
14. Transport Information	
Not classified as dangerous goods.	
15. Regulatory Information	
Classification according to EEC guidelines: National Prescriptions: Classification according to VbF:	Unknown. Unknown. Unknown.
16. Other Information	
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