

1. Chemical Product and Contact Information

Product Name: Protect-It® composite surface sealant
Material Safety Sheet Number: 00055
Date of Issue: 05/23/95
Revision Date: 11/11/09
Company Identification: Pentron Clinical
 1717 West Collins Ave.
 Orange, CA 92867
 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: Visible light curable resin adhesive dental resin mixture of BisGMA, UDMA, TEGDMA and THFMA with photoinitiators, uv absorber and stabilizer.
Description: Same.
Hazardous components: None Known.

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
BisGMA	1565-94-2	N/E	N/E
UDMA	74389-53-0	N/E	N/E
TEGDMA	109-16-0	N/E	N/E
THFMA	24455-24-5	N/E	N/E
Photoinitiator 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

General information: Unknown.
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: Wear protective equipment. Avoid direct contact.
Environmental precautions: Unknown.
Methods for cleaning up: Absorb with inert material. Collect in closed containers and dispose of as recommended.
Additional information: Dispose in accordance to Federal, state, and local regulations.

7. Handling and Storage

Handling: Always handle with care.
Handling procedures: Unknown.
Recommendation for fire and explosion protection: Unknown.
Storage: Store away from direct light.
and containers: Store in a cool, dry place. Store at ambient temperature.
Additional storage conditions: Not applicable.
Storage classification: Unknown.
VBf- classification: Unknown.

8. Exposure Controls/Personal Protection

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

9. Physical and Chemical Properties

Appearance:	Form:	Low viscosity gel form.
	Color:	Slightly yellow.
	Odor:	Esterlike.

Information on change in the physical state

Melting point/melting range:	Not applicable.
Boiling point/boiling range:	480°F.
Flash point:	Not applicable
Autoignition temperature:	Not applicable.
Danger of explosion:	Not likely.
Density:	1.12g/cm ³
Vapor pressure:	70°F.
Viscosity:	Not applicable.
pH:	Not applicable.
Solubility in/miscibility with:	
Water:	Slightly.
Content of solvents:	None.
Organic solvents:	None.
Content of solids:	< 5%.

10. Stability and Reactivity

Incompatibility with other substances:	Strong oxidizing and reducing agents, heat, direct sun-light.
Hazardous decomposition products:	Unknown.

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

Disposal consideration:	Dispose of in accordance with Federal, State, and local regulations.
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14. Transport Information

Not classified as dangerous goods.

15. Regulatory Information

Unknown.

16. Other Information

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