



**1. Chemical Product and Contact Information**

**Product Name:** Protect-It<sup>®</sup> Surface Sealant

**Material Safety Sheet Number:** 00055

Date of Issue: 5/23/1995

Revision Date: 7/09/2003

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

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**Emergency Information Chemtrec:** **800-424-9300**

**Chemtrec International:** **202-483-7616**

**2. Composition/Information on Ingredients**

Chemical characteristics: Dental methacrylate resin mixture with photo initiator, amine, and stabilizer.

Description: Visible light cured resin adhesive.

Hazardous components: None known.

CAS NR: Name: % R-classification:

**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: CO<sub>2</sub>, 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: Incineration according 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. Store the dual cure activator at 4°C.

Requirements at storerooms and containers: Store in a cool, dry place at or below room temperature.

Additional storage conditions: Not applicable.

Storage classification: Unknown.

VBF- classification: Unknown.

**8. Exposure Controls/Personal Protection**

Additional information for technical plants:

Components with limits of values to be supervised at the workplace:

CAS-Nr.	Name	%	Art	Value	Unit
The product contains no relevant quantities of components with limits of values to be supervised at the workplace.					

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

	Value	Unit	Method
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:	1.12.		
Vapor pressure:	70 °F.		
Viscosity:	Not applicable.		
pH:	Not applicable.		
<b>Solubility in/miscibility with:</b>			
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 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**

Disposal consideration: 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: Section 2: Silica was removed from chemical characteristics.  
Section 9: Content of solids was changed from > 8% to < 5%.

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