

1. Chemical Product and Contact Information

Product Name: Splint-It® Resin Reinforced Fiber Splinting System
Material Safety Sheet Number: 00053
Date of Issue: 04/04/97
Revision Date: 03/22/10
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: Mixture of dental methacrylate resins, silicate glass fibers, polyethelene fibers (volume fraction: 38-40%), photo and heat curing agents, and pigments.
Description:
Hazardous components: None known.

Components	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Dimethacrylate Resins	Proprietary	N.E.	N.E.
Silicate Glass Fibers	Various	N.E.	N.E.
Polyethelene Fiber	9002-88-4	N.E.	N.E.
Photoinitiator System	Various	N.E.	N.E.
Pigments	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:
After skin contact: Prolonged skin contact causes severe irritation. Wash with soap and water. If irritation persists, seek medical advice.
After eye contact: Causes irritation; may cause temporary corneal damage. Immediately flush eyes with copious amounts of water and continue flushing for several minutes. Contact an ophthalmologist.
After swallowing: May cause headache, nausea, vomiting, mouth, throat, esophagus and stomach irritation. Seek medical advice immediately.

5. Fire Fighting Measures

Extinguishing media: Chemical foam, CO₂, water or dry chemical.
Protective equipment: Firefighters should wear a self-contained breathing apparatus and full protective clothing.

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: Always handle with care.
Handling procedures: Store at ambient temperature, away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.
Storage: Store in a cool, dry place.

8. Exposure Controls/Personal Protection

Personal protective equipment:	Protective gloves, goggles are recommended.
General measure of protection and hygiene:	Normal hygienic measures.
Respiration:	Wear NIOSH approved respirators to prevent breathing dusts and fiber.
Hands:	Wash hands after using and before eating, drinking and smoking. Keep away from heat and flames.
Eyes:	OSHA approved goggles.

9. Physical and Chemical Properties

Appearance:	Form:	Combination of solid/liquid.
	Color:	Clear.
	Odor:	Moderate ester, sweet.

Information on change in the physical state

Melting point/melting range:	Unknown.
Boiling point/boiling range:	Unknown.
Flash point:	Unknown.
Autoignition temperature:	Unknown.
Danger of explosion:	Unknown.
Density:	Unknown.
Vapor pressure:	Unknown.
Viscosity:	Unknown.
pH:	Not applicable.
Solubility in/miscibility with water:	Not applicable.
Content of solvents:	Unknown.
Organic solvents:	Unknown.
Content of solids:	≥ 60%

10. Stability and Reactivity

Incompatibility with other substances:	Stable.
Hazardous decomposition products:	Unknown.

11. Toxicological Information

Carcinogenicity:	NTP: not listed. IARC Monographs: not listed. OSHA Regulated: not listed.
TLV:	Unknown.
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.

15. Regulatory information

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

16. Other Information

This MSDS was placed into the ANSI Z400. 1-1998 standard on December 15, 2000. Updated composition/information on ingredients on 4/7/05.

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