

**1. Chemical Product and Contact Information**

**Product Name:** Lute-It® Base/Catalyst

**Material Safety Sheet Number:** 00121  
**Date of Issue:** 01/20/94  
**Revision Date:** 10/25/09

**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:** A mixture of BIS-GMA, UDMA, HDDMA, resins (in both base & catalyst), barium-borosilicate glass fillers\*, inorganic fluoride, silica, silane, photoinitiator, amine and inorganic pigments (in base), benzoyl peroxide (in catalyst), and stabilizers.

**Description:** \* contains small amount of alumina.  
 Partially filled methacrylate resin mixtures.

**Hazardous components:**

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
BIS-GMA	1565-94-2	N/E	N/E
UDMA	74389-53-0	N/E	N/E
HDDMA	6606-59-3	N/E	N/E
Silane Treated Barium-Boroalumino Silicate Glass Fillers	N/A	N/E	N/E
Inorganic Fluoride Containing Glass	N/A	Unknown	Unknown
Silica (amorphous)	69012-64-2	Unknown	2R
Self-Curing & Photo Curing System	various	N/E	N/E

**3. Hazard Identification**

**Risk identification:** Avoid contact with skin and eyes.  
**Special risks for human beings and environment:** Some people may be allergic to methacrylate resins.  
**Classification:** Unknown.

**4. First Aid Measures**

**General information:**  
**After skin contact:** Wash with soap and water. Consult a physician if irritation occurs.  
**After eye contact:** Rinse with plenty of water and consult an ophthalmologist.  
**After swallowing:** Seek medical attention immediately.

**5. Fire Fighting Measures**

**Extinguishing media:** Chemical foam, carbon dioxide or dry chemical.  
**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:** 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 in accordance to federal, state, and local regulations.  
**Additional information:** Unknown.

**7. Handling and Storage**

**Handling:** Always handle with care.  
**Handling procedures:** Store away from direct sunlight.  
**Storage:** Refrigeration required. Store at 2 - 8°C

**8. Exposure Controls/Personal Protection**

Personal protective equipment:	Protective gloves and 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:	Paste.
	Color:	Shaded base part, white catalyst part.
	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.
Autoignition temperature:	Not applicable.
Danger of explosion:	None known.
Density:	1.65 gm/cm <sup>3</sup>
Vapor pressure:	Not applicable.
Viscosity:	Not applicable.
pH:	Not applicable.
Solubility in/miscibility with water:	None.
Organic solvents:	Not applicable.
Water:	Unknown.
Content of solids:	>65%.

**10. Stability and Reactivity**

Stability:	Stable. Avoid exposure of base to peroxide and excessive heat to base. Avoid exposure of catalyst to amine and excessive heat.
Incompatibility with other substances:	Strong oxidizing, reducing agents, and UV light.
Hazardous decomposition products:	Unknown.

**11. Toxicological Information**

Acute toxicity:	Unknown.
Primary irritation:	Acute and chronic skin, eye irritation followed by sloughing. Possible allergic response.
Skin:	Irritating.
Eye:	Irritating.
Sensitization of product:	Unknown.
Additional toxicological information:	None known.
Carcinogenicity:	Not Listed.
NTP:	Not Listed.
IARC Monographs:	Not Listed.
OSHA Regulated:	No.

**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.
-------------------------	--

**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**

The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof. Pentron Clinical however, makes no representations as to the completeness or accuracy of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Pentron Clinical be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.