

## 1. Chemical Product and Contact Information

**Product Name:** Flow-It<sup>®</sup> ALC<sup>™</sup> Flowable Composite  
**Material Safety Sheet Number:** 00064  
**Date of Issue:** 10/14/99  
**Revision Date:** 02/03/03  
  
**Company Identification:** Pentron Clinical Technologies, LLC  
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 Wallingford, CT U.S.A. 06492  
 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 BISGMA, EBPADMA, TEGDMA, silane, inorganic pigments, bariumborosilicate glasses\*, with initiators, stabilizers and UV absorber.  
 \*contains a small amount of aluminum oxide.  
**Description:** Same as chemical characteristics above.  
**Hazardous components:** None known.

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
BIS-GMA	1565-94-2	N/A	N/A
EBPADMA	41637-38-1	N/A	N/A
TEGDMA	109-16-0	N/A	N/A
Inorganic Pigments	Various	N/A	N/A
Tertiary Amine	10287-53-3	N/A	N/A
BHT	128-37-0	N/A	N/A
Silane Treated Barium Boro-alumino Silicate Glass	N/A	N/E	N/E
UV Absorbers	Unknown	Unknown	Unknown
CQ	10373-78-1	Unknown	Unknown
Silica	69012-64-2	N/E	2

## 3. Hazard Identification

**Risk identification:** None known.  
**Special risks for human beings and environment:** None known.  
**Classification:** Unknown. 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:** Immediately wash with soap and water, consult a physician if irritation occurs.  
**After eye contact:** Immediately flush eyes with eyelids retracted, with plenty of water for 15 min. Consult an ophthalmologist if needed.  
**After swallowing:** Consult a physician immediately. Rinse oral cavity with water and exude or expectorate. Induce vomiting. Seek fresh air.

## 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:** 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:** Incineration according to Federal, State, and local regulations.  
**Additional information:** Unknown.

## 7. Handling and Storage

Store material below 75°F, away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.



**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
Unknown.					

The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

Additional information:

Personal protective equipment:	Protective gloves, 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:	Viscous Gel.
	Color:	Various shades.
	Odor:	Esther-like.

	Value	Unit	Method
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:	1.7	g/cm <sup>3</sup>	
Vapor pressure:	Unknown.		
Viscosity:	Not applicable.		
pH:	Not applicable.		
Solubility in/miscibility with water:	None.		
Content of solvents:	None.		
Organic solvents:	None.		
Water:	None.		
Content of solids:	≥64%		

**10. Stability and Reactivity**

Incompatibility with other substances:	Stable.
Hazardous discomposition 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:	Incineration 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**

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