

**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****MANUFACTURER**

GC AMERICA INC.

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Transportation Emergency Telephone No. 800-424-9300

**COMMON NAME:** FUJICEM - PASTE A**CHEMICAL NAME:** N.A.**PRODUCT USE:** Reinforced glass ionomer luting cement - Paste A.

The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed paste system.

**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Alumino-silicate glass	(Not listed)	TLV=10mg/m <sup>3</sup> PEL=15mg/m <sup>3</sup> (ACGIH)	N.E.	60-70
2-Hydroxyethyl methacrylate	868-77-9	N.E.	LD50=5888mg/kg (oral rat) LC50=N.E.	20-25
Di-2-Methacryloxyethyl-2,2,4, Trimethyl hexamethylene dicarbamate		N.E.	N.E.	20-25

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.A.**VAPOR PRESSURE:** N.E.**VAPOR DENSITY:** N.E.**SOLUBILITY IN WATER:** Insoluble**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** N.E.**MELTING POINT:** N.A.**EVAPORATION RATE:** N.E.**ODOR THRESHOLD:** N.E.**APPEARANCE AND ODOR:** Very fine white powder, odorless**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** Not flammable**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Material is not combustible. Use extinguishing media appropriate to the surrounding area.**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide**SECTION 5 - REACTIVITY DATA****STABILITY:**Stable Unstable **POLYMERIZATION:**Will Not Occur Will Occur **CONDITIONS TO AVOID:** Avoid high temperatures and humidity**INCOMPATIBILITY (MATERIALS TO AVOID):** Contains silica glass. Avoid contact with hydrofluoric acid. Contact with acids liberates hydrogen fluoride gas which is toxic and corrosive.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** At elevated temperatures various fluoride compounds will be liberated, including toxic hydrogen fluoride and sodium potassium fluoride.**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION**

	YES	NO	N.E.	N.A.	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X					X (Group 2A)		
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation  Skin  Ingestion

**HEALTH HAZARD (Acute And Chronic):** Contains silica glass, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Dusts of silica glass are also a known cause of silicosis, a non-cancerous lung disease.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Irritation and soreness in throat and nose.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** May aggravate preexisting upper respiratory and lung disease.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air. If irritation persists, seek medical attention.

**INGESTION:** Do not induce vomiting – give large volumes of water. Seek medical attention.

**SKIN:** Wash with soap and water.

**EYES:** Flush with large quantities of water. If irritation develops seek medical attention.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**IN CASE OF RELEASE OR SPILL:** Avoid generating dust while sweeping. If an excessive amount of dust is generated use a filter equipped vacuum and MSHA/NIOSH approved mask.

**WASTE DISPOSAL METHOD:** In accordance with local, state and federal regulations.

**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store at normal room temperatures and humidity.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Minimize exposure in accordance with good hygiene practice. If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes.

**VENTILATION:** Local Exhaust: Yes Mechanical: N.A. Special: N.A Other: N.A.

**PROTECTIVE GLOVES:** Disposable vinyl gloves

**EYE PROTECTION:** Safety glasses

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eyewash station

**WORK/HYGIENIC PRACTICE:** Follow safe hygiene practices.

**SECTION 9- PREPARATION INFORMATION**

*This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR*

**PREPARED BY:** T. Joritz  
Director Regulatory Affairs

**DATE:** 03 January 2003

N.A. = NOT APPLICABLE  
N.E. = NOT ESTABLISHED

*The information herein is given in good faith but no warranty expressed or implied is made.*

FIRE - 0

TOXICITY - 1

NFPA  
REACTIVITY - 0

SPECIAL -