

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

GC AMERICA INC.

3737 West 127th St.

Alsip, Illinois, 60803

Telephone: 708-597-0900

Hours: Mon. - Fri. 8:00 am. - 5:00 pm. C.S.T.

Transportation Emergency No. 800-424-9300

**COMMON NAME:** GC FUJI FILLING LC - PASTE A**CHEMICAL NAME:** N.A.**PRODUCT USE:** Light cured glass ionomer cement*The following information is provided with regard to the toxicity and hazards the pure components present in this product.***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.	75-85%
2-Hydroxyethyl methacrylate	868-77-9	N.E.	LD50=5888mg/kg (oral rat)	10-12%
Urethanedimethacrylate	72869-86-4	N.E.	N.E.	2-5%

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.E.**SPECIFIC GRAVITY:** N.E.**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** N.E.**EVAPORATION RATE:** N.E.**SOLUBILITY IN WATER:** Not miscible or difficult to mix**ODOR THRESHOLD:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** Almost odorless paste**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** 97°C**FLAMMABLE LIMITS:** N.E.**EXTINGUISHING MEDIA:** Chemical foam, carbon dioxide and dry chemical.**SPECIAL FIRE FIGHTING PROCEDURES:** No special measures required.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** N.E.**SECTION 5 - REACTIVITY DATA****STABILITY:**Stable ☒Unstable ☐**POLYMERIZATION:**Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** Keep away from high heat 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:** None known.**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION**

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X					Group 2A		
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continued**

**HEALTH HAZARD (Acute and Chronic):** May cause sensitization or irritation by inhalation and skin contact. May cause irritation to eyes and digestive tract. Contains silica glass, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Dusts of silica glass is also a known cause of silicosis, a non-cancerous lung disease.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** N.E.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.E.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Supply fresh air. Seek medical attention if irritation develops.

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.

**SKIN CONTACT:** Wash skin with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

**INGESTION:** Do not induce vomiting. Seek medical attention if irritation develops.

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

**IN CASE OF RELEASE OR SPILL:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust), and place in a chemical waste container.

**WASTE DISPOSAL METHOD:** Do not allow product to reach sewage system or any watercourse. Dispose of in accordance with local, state and federal guidelines.

**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store at room temperature in closed container when not in use.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer use self-contained respiratory protective device.

**VENTILATION:** Local Exhaust Recommended Mechanical: ☐ Special: ☐ Other: ☐

**PROTECTIVE GLOVES:** Synthetic/vinyl gloves recommended.

**EYE PROTECTION:** Use tightly sealed goggles to prevent eye contact.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash station recommended.

**WORK/HYGIENIC PRACTICE:** Observe good hygienic work 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:** 16 January 2006

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 - 2

TOXICITY - 2

NFPA

REACTIVITY - 1

SPECIAL -

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COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Distilled water	7732-18-5	N.E.	N.E.	20-30%
Polyacrylic acid	9003-01-4	TWA=10ppm (ACGIH)	LD50 = 2500mg/kg (oral rat) LC50 -- N.E.	20-30%
Urethanedimethacrylate	72869-86-4	N.E.	N.E.	12-15%
Silicone dioxide	1121945-52-5	PEL 6mg/m <sup>3</sup> TLV 10mg/m <sup>3</sup>	LD50:>10000mg/kg (oral rat)	10-15%

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** 100°C**VAPOR PRESSURE:** N.E.**VAPOR DENSITY:** N.E.**SOLUBILITY IN WATER:** Not miscible or difficult to mix**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**SPECIFIC GRAVITY:** N.E.**MELTING POINT:** N.E.**EVAPORATION RATE:** N.E.**ODOR THRESHOLD:** N.E.**APPEARANCE AND ODOR:** paste with characteristic odor**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** N.A.**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Chemical foam, carbon dioxide and dry chemical.**SPECIAL FIRE FIGHTING PROCEDURES:** No special measures required.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** N.E.**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** Keep away from high heat and humidity.**INCOMPATIBILITY (Materials to Avoid):** None.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None known.**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION**

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY		X						
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continued**

HEALTH HAZARD (Acute and Chronic): May cause irritation to eyes, respiratory tract and skin.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

**EMERGENCY FIRST AID PROCEDURES:**

INHALATION: Supply fresh air. Seek medical attention if irritation develops.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.

SKIN CONTACT: Wash skin with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

INGESTION: Do not induce vomiting. Seek medical attention if irritation develops.

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NFPA

REACTIVITY - 1

SPECIAL -