FujCEM / FujiCEM AUTOMIX - PASTE A

MATERIAL SAFETY DATA SHEET

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

MANUFACTURER

GC AMERICA INC.
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Alsip, Illinois, 60803
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Hours: Mon.- Fri. 8:00 am. - 5:00 pm. C.S.T.
Transportation Emergency Telephone No. 800-424-9300

COMMON NAME: FUJICEM/FUJICEM AUTOMIX - 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/m³ PEL=15mg/m³ (ACGIH)	N.E.	60-70
2-Hydroxyethylmethacrylate	868-77-9	N.E.	LD50=5888mg/kg (oral rat) LC50=N.E.	10-20
Urethanedimethacrylate	72869-86-4	N.E.	N.E.	10-12
Silica powder	112945-52-5	N.E.	N.E.	6

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 (H2O = 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

DATE: 3 April 2007
REVIEWED: 20 January 2009

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

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

NFPA

FIRE - 0 **TOXICITY - 1** **REACTIVITY - 0** **SPECIAL –**