

MS004599A

GC FUJICEM 2 – PASTE A MATERIAL SAFETY DATA SHEET

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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 Telephone No. 800-424-9300

COMMON NAME: GC FujiCem 2 - PASTE A

CHEMICAL NAME: N.A.

PRODUCT USE: Radiopaque 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-fluoro-silicate glass (amorphous)	(Not listed)	N.E.	N.E.	60-70
Hydroxyethyl methacrylate	868-77-9	N.E.	N.E.	10-20
Dimethacrylate	1830-78-0	N.E.	N.E.	10-20
Bis-MEPP	41637-38-1	N.E.	N.E.	10-20
Silicon Dioxide (fumed, amorphous)		N.E.	N.E.	10-20
Pigment		N.E.	N.E.	Trace

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:N.E.SPECIFIC GRAVITY (H2O = 1):N.E.VAPOR PRESSURE:N.E.MELTING POINT:N.E.VAPOR DENSITY:N.E.EVAPORATION RATE:N.E.SOLUBILITY IN WATER:InsolubleODOR THRESHOLD:N.E.

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. APPEARANCE AND ODOR: White paste, odorless

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: N.E. FLAMMABLE LIMITS: N.E.

EXTINGUISHING MEDIA:. Dry chemical, alcohol-resistant foam or water

SPECIAL FIRE FIGHTING PROCEDURES: N.A. 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: Avoid high temperatures and humidity

INCOMPATIBILITY (MATERIALS TO AVOID): 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.



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

Skin 🖂 Ingestion 🖂 Inhalation 🖂 **ROUTES OF ENTRY:**

HEALTH HAZARD (Acute and Chronic): Dusts of silica glass can cause 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 pre-existing upper respiratory and lung disease. May cause sensitization by skin contact.

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 and rinse thoroughly.

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: Wipe or absorb with inert materials (dry sand, earth, etc.) and transfer to container for disposal. WASTE DISPOSAL METHOD: Dispose of waste in facility permitted for waste 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: 1 February 2012
N.A. = NOT APPLICABLE N.E. = NOT ESTABLISHED The information herein is given in good faith but no warranty expressed or implied is made.
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TOXICITY - 1 REACTIVITY - 0 FIRE - 1 SPECIAL -



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GC FujiCEM 2 – PASTE B MATERIAL SAFETY DATA SHEET

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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 Telephone No. 800-424-9300

COMMON NAME: GC FUJICEM 2 - PASTE B

CHEMICAL NAME: N.A.

PRODUCT USE: Radiopaque Reinforced Glass Ionomer Luting Cement – Paste B

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	%
Polyacrylic acid	9003-01-04	TWA=10ppm	LD50 = 2500 mg/kg	75-80
		(ACGIH)	(oral rat)	
			LC50 = N.E.	
Distilled water	7732-18-5	N.E.	N.E.	1-5
Silicone dioxide (fumed, amorphous)		N.E.	N.E.	10-15
Initiator		N.E.	N.E.	1-5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:N.E.SPECIFIC GRAVITY (H2O = 1):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 mixODOR THRESHOLD:N.E.

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. APPEARANCE AND ODOR: Colorless, slightly viscous and odorless

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: N.E. FLAMMABLE LIMITS: N.A.

EXTINGUISHING MEDIA: Alcohol foam, dry chemical or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: N.E.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product does not present an explosion hazard.

HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION 5 - REACTIVITY DATA

STABILITY:	Stable 🔀	Unstable
POLYMERIZATION:	Will Not Occur 🛚	Will Occur

CONDITIONS TO AVOID: High heat

INCOMPATIBILITY (Materials to Avoid): None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known



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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						
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): Care should be taken to avoid contact with skin or eyes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May cause sensitization by skin contact.

EMERGENCY FIRST AID PROCEDURES:

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

SKIN: Wash with soap and water. If irritation persists seek medical attention.

EYES: Flush with water for 15 minutes. If irritation develops seek medical attention.

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

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Cover with absorbent material. Collect spilled material. Clean up residue.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in a cool dry place in tightly closed container. Store away from heat.

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: None required Local Exhaust: N.A. Mechanical: N.A. Special: N.E. Other: N.A.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: N.E.

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: 1 February 2012
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FIRE - 1 TOXICITY - 1 REACTIVITY - 0 SPECIAL