

MSDS Sheet(s)

Attn: ME

From: M

Comments: 105 5113

ITEM CODE	DESCRIPTION	SIZE	STRENGTH
3330575	FUJI IX CAPSULE STA PK SQ	EA	ASSORT

## MATERIAL SAFETY DATA SHEET

## SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

## MANUFACTURER

## SUPPLIER

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: FUJI IX GP LIQUID  
FUJI IX GP CAPSULES LIQUID  
FUJI IX GP FAST SET

Chemical Name: N.A.

PRODUCT USE: Glass ionomer for Restorative Treatment liquid component

The following information is provided with regard to the toxicity and hazards of the pure components present in this product.

## =====

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Polyacrylic acid (not listed)	TWA=10ppm (ACGIH)	D50 = 2500mg/kg (oral rat) LC50=N.E.	30-40%

## =====

## SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 101°C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1): 1.18
VAPOR PRESSURE: N.E.	MELTING POINT: 13°C
VAPOR DENSITY: N.E.	EVAPORATION RATE: N.E.
SOLUBILITY IN WATER: N.E.	ODOR THRESHOLD: N.E.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.	

APPEARANCE AND ODOR: Colorless, slightly viscous and odorless liquid

## =====

## SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: Not flammable FLAMMABLE LIMITS: N.A.

EXTINGUISHING MEDIA: Alcohol foam

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## SECTION 4 - FIRE AND EXPLOSION DATA - continued

SPECIAL FIRE FIGHTING PROCEDURES: Full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS: Emits Acrid smoke when heated beyond boiling point.

## =====

## SECTION 5 - REACTIVITY DATA

STABILITY: STABLE: X UNSTABLE:  
POLYMERIZATION: WILL NOT OCCUR: X WILL OCCUR:

CONDITIONS TO AVOID: High heat

INCOMPATIBILITY (MATERIALS TO AVOID): Alkali will inactivate product

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.E.

## =====

## 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 X INGESTION X

HEALTH HAZARD: (ACUTE AND CHRONIC): Acidic solution (pH=1.90), care should be taken to avoid contact with skin or eyes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: N.E.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

## 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 develops seek medical attention.

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

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## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Neutralize with diluted hydroxide.

WASTE DISPOSAL METHOD: Dilute with water and flush into drain with large volumes of water.

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

## =====

## SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: None required

VENTILATION: None required    LOCAL EXHAUST: N.A.    MECHANICAL: N.A.

SPECIAL: N.E.    OTHER: N.A.

PROTECTIVE GLOVES: Latex gloves are recommended

EYE PROTECTION: Goggles or full face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Do not spill on clothing.  
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

PREPARED BY: T. Joritz  
Director Regulatory Affairs

Date: 03 January 2000

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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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FIRE 1	TOXICITY 2	REACTIVITY 0	SPECIAL ACID
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## MATERIAL SAFETY DATA SHEET

## SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

## MANUFACTURER

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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: FUJI IX GP POWDER

FUJI IX GP CAPSULE POWDER

FUJI IX GP FAST SET

Chemical Name: N.A.

PRODUCT USE: Glass ionomer for Restorative Treatment - powder component

The following information is provided with regard to the toxicity and hazards of the pure components present in this product.

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SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
COMPONENT AND C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Polyacrylic acid	TWA=10ppm	LD50 = 2500mg/kg	5-10
(not listed)	(ACGIH)	(oral rat)	
		LC50 = N.E.	
Aluminosilicate	TLV=10mg/m <sup>3</sup>	N.E.	90-100
glass (not listed)	PEL=15mg/m <sup>3</sup>		
	(ACGIH)		

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SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: N.E.                      SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 2.56  
VAPOR PRESSURE: N.A.                    MELTING POINT: 1350°C  
VAPOR DENSITY: N.A.                    EVAPORATION RATE: N.A.  
SOLUBILITY IN WATER: Insoluble      ODOR THRESHOLD: N.E.  
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

APPEARANCE AND ODOR: Very fine white powder

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SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: Not flammable      FLAMMABLE LIMITS: N.A.  
EXTINGUISHING MEDIA: Alcohol foam

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## SECTION 4 - FIRE AND EXPLOSION DATA - CONTINUED

SPECIAL FIRE FIGHTING PROCEDURES: Full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS: Emits Acrid smoke when heated above 101°C.

## SECTION 5 - REACTIVITY DATA

STABILITY: STABLE: X UNSTABLE:  
POLYMERIZATION: WILL NOT OCCUR: X WILL OCCUR:

CONDITIONS TO AVOID: High heat

INCOMPATIBILITY (MATERIALS TO AVOID): Alkali will inactivate product

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.E.

## 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 X SKIN X INGESTION X

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 is 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.

## SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - CONTINUED

## 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 develops seek medical attention.

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

INHALATION: Remove to fresh air, drink water to clear throat and blow nose to evacuate dust.

## =====

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Avoid generating dusts during cleanup.  
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.

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## SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Minimize exposure to dust in accordance with good hygiene practices. If needed, use MSHA-NIOSH approved respirator.

VENTILATION: None required	LOCAL EXHAUST: N.A.	MECHANICAL: YES
	SPECIAL: N.A.	OTHER: N.A.

PROTECTIVE GLOVES: Latex gloves are recommended

EYE PROTECTION: Goggles or full face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Do not spill on clothing.  
Eyewash station

WORK/HYGIENIC PRACTICE: Follow safe hygiene practices.

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## 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 2000

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## NFPA

FIRE 0      TOXICITY 1      REACTIVITY 0      SPECIAL

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