FUJI ORTHO BAND PASTE PAK – PASTE A MATERIAL SAFETY DATA SHEET

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: FUJI ORTHO BAND PASTE PAK – PASTE A

CHEMICAL NAME: N.A.

PRODUCT USE: Glass ionomer orthodontic band cement – Paste A

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

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Alumino silicate glass	Not listed	TLV=10mg/m ³	N.E.	65-75
_		PEL=15mg/m³		
		(ACGIH)		
2-Hydroxyethylmethacrylate	868-77-9	N.E.	LD50=5888mg/kg	10-20
			(oral rat)	
			LC50=N.E.	
Urethane dimethacrylate	72868-86-4	N.E.	N.E.	10-20
Silica powder	14808-60-07	N.E.	N.E.	1-5

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:InsolubleODOR THRESHOLD:N.E.

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. APPEARANCE AND ODOR: Odorless blue paste

SECTION 4 - FIRE AND EXPLOSION DATA

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

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 Deliver 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.

FUJI ORTHO BAND PASTE PAK – PASTE A

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

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

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 noncancerous 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.

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

SKIN: Wash with soap and water.

INGESTION: 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.

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

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station **WORK/HYGIENIC PRACTICE:** Follow safe hygienic practices.

SECTION 9 - PREPARATION INFORMATION	
This data is supplied to comply with OSHA Hazard Communication Stan	ndard 29 CFR 1910,1200 and W.H.M.I.S. CPR
PREPARED BY: T. Joritz	DATE: 03 January 2003
Director Regulatory Affairs	
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 -

FUJI ORTHO BAND PASTE PAK – PASTE B MATERIAL SAFETY DATA SHEET

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COMMON NAME: FUJI ORTHO BAND PASTE PAK – PASTE B

CHEMICAL NAME: N.A.

PRODUCT USE: Glass ionomer orthodontic band cement – Paste B

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

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Polyacrylic acid	Not listed	TWA=10ppm	LD50 = 2500 mg/kg	30-40
		(ACGIH)	(oral rat)	
			LC50 = N.E.	
Proprietary Ingredient		TLV=10mg/m ³	N.E.	5-10
		PEL=15mg/m ³		
Silica powder	14808-60-07	N.E.	N.E.	5-15

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E. APPEARANCE AND ODOR: Odorless white paste

SECTION 4 - FIRE AND EXPLOSION DATA

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

EXTINGUISHING MEDIA: Alcohol foam, dry chemical

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: N.E. HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable 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

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

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Excessive exposure may produce a headache, irritating eyes and tearing. 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 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: Dilute with water and flush into drain with large volumes of water.

STORAGE, HANDLING & 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.

 $\begin{tabular}{lll} \textbf{VENTILATION:} & \textbf{Local Exhaust:} & N.A. & \textbf{Mechanical:} & N.A. & \textbf{Special:} & N.A. & \textbf{Other:} & N.A. \\ \end{tabular}$

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: N.E.

SECTION 9 - I	PREPARATION II	NFORMATION
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Director Reg	gulatory Affairs			
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		IFPA		