



MS432571A

**FUJI LINING LC PASTE PAK – 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:** FUJI LINING LC PASTE PAK – PASTE A**CHEMICAL NAME:** N.A.**PRODUCT USE:** Light-cured glass ionomer liner for dental cavity preparations.

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

**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.	70-80
2-Hydroxyethyl methacrylate	868-77-9	N.E.	LD50=5888mg/kg (oral rat) LC50=N.E.	10-15
Urethane Dimethacrylate	72869-86-4	N.E.	N.E.	5-10

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES****BOILING POINT:** N.E.**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** N.E.**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** N.E.**EVAPORATION RATE:** N.E.**SOLUBILITY IN WATER:** Insoluble**ODOR THRESHOLD:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** Pale yellow paste, odorless**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** 97°C**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemicals, alcohol resistant foam, water spray**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.E.**HAZARDOUS COMBUSTION PRODUCTS:** None**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☒Will Occur ☐**CONDITIONS TO AVOID:** Avoid high temperatures, ignition sources, excess heat**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.



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## FUJI LINING LC PASTE PAK – PASTE A

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## 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 ☒

**HEALTH HAZARD (Acute and Chronic):** Contains silica glass, which is considered a hazard by inhalation. IARC has classified it as a probably 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

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air Seek medical attention.

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

**SKIN:** Wash with soap and water. Seek medical attention.

**EYES:** Immediately flush with large quantities of water for at least 15 minutes. Seek medical attention.

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

**IN CASE OF RELEASE OR SPILL:** Wipe or absorb with inert materials and transfer to container for disposal. 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 in cool, dark place. Keep tightly sealed

## 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: NE Special: NE Other: NA

**PROTECTIVE GLOVES:** Disposable vinyl gloves recommended

**EYE PROTECTION:** Chemical eye goggles.

**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 WHMIS CPR*

**DATE:** 09 January 2006

**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*

FIRE – 1

TOXICITY – 1

NFPA  
REACTIVITY – 0

SPECIAL –



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

**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
2-Hydroxyethyl methacrylate	868-77-9	N E	LD50=5888mg/kg (oral rat) LC50=N.E.	30-40
Polyacrylic acid	Not listed	TWA=10ppm (ACGIH)	LD50 = 2500mg/kg (oral rat) LC50 = N.E.	25-35
Proprietary Ingredient		TLV=10mg/m <sup>3</sup> PEL=15mg/m <sup>3</sup>	N E	5-10
Silica powder	14808-60-07	N.E.	N.E.	1-5

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**

<b>BOILING POINT:</b>	N E	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	N E
<b>VAPOR PRESSURE:</b>	N E	<b>MELTING POINT:</b>	N E
<b>VAPOR DENSITY:</b>	N E	<b>EVAPORATION RATE:</b>	N E
<b>SOLUBILITY IN WATER:</b>	33 0%	<b>ODOR THRESHOLD:</b>	N E
<b>COEFFICIENT OF OIL/WATER DISTRIBUTION:</b>	N E	<b>APPEARANCE AND ODOR:</b>	Pale yellow, odorless paste.

**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** N E**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, alcohol-resistant foam, water spray.**SPECIAL FIRE FIGHTING PROCEDURES:** None**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None**HAZARDOUS COMBUSTION PRODUCTS:** None**SECTION 5 - REACTIVITY DATA**

<b>STABILITY:</b>	Stable <input checked="" type="checkbox"/>	Unstable <input type="checkbox"/>
<b>POLYMERIZATION:</b>	Will Not Occur <input checked="" type="checkbox"/>	Will Occur <input type="checkbox"/>

**CONDITIONS TO AVOID:** High temperatures, incompatible materials, ignition sources, excess heat, oxidizers**INCOMPATIBILITY (Materials to Avoid):** None**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None



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## 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): Irritant to eyes, skin and mucous membranes. Sensitization possible through skin contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Excessive exposure may produce a headache, irritate eyes and tearing.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

## EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Seek medical attention.

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

SKIN: Flush skin with plenty of soap and water. Seek medical attention.

EYES: Immediately flush with water for at least 15 minutes. Seek medical attention.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Wipe or absorb with inert materials and transfer to container for disposal.

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

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store in cool, dark place. Keep tightly sealed.

## SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: None required

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

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Goggles or full face shield

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 Standard 29 CFR 1910.1200 and W.H.M.I.S. CPR

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REACTIVITY – 0

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