

**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****MANUFACTURER**

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 Gold Label 2 Light Cured Universal Restorative

**CHEMICAL NAME:** N.A.

**PRODUCT USE:** Light-cured glass ionomer for dental cavity preparations. (Powder component).

*The following information is provided with regard to the toxicity and hazards of the pure components present in this portion of the unmixed powder/liquid 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.	95-100

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**

**BOILING POINT:** N.E. **SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 2.56  
**VAPOR PRESSURE:** N.E. **MELTING POINT:** >1350°C  
**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:** Very fine white powder, Core material is light blue in color

**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	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X					Group 2A		
SENSITIZER		X						



**SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION - continued**

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 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, drink water to clear throat and blow nose to evacuate dust.

**INGESTION:** Ingestion may require medical assistance.

**SKIN:** Wash with soap and water.

**EYES:** Flush with large quantities of water. If irritation develops or persists 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 to dust in accordance with good hygiene practice. If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes.

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

**PROTECTIVE GLOVES:** Disposable vinyl gloves recommended.

**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: 11 April 2007

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 – 0**                      **TOXICITY – 1**                      **NFPA**                      **REACTIVITY – 0**                      **SPECIAL –**  
.....