

**INITIAL - POWDERS**  
**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:** INITIAL – POWDERS (MC, AL, LF, Ti, Zr, Press Ceramic); bleached, bonder, cervical translucent, clear, correction powder, dentin, dentin opaques, enamel, enamel intensive, enamel occlusal, enamel opal, fluorescence, fluo-dentin, framer, framer modifier, gingival universal, glaze, inside, liner, occlusal enamel light, occlusal enamel milky, opaque modifier, opaque powder, opaque powder modifier, opaques dentin, opaques dentin modifier, pellets dentin, shoulder opaque, shoulder transparent, stains, translucent, translucent modifier, veneer enamel

**CHEMICAL NAME:** N.A.

**PRODUCT USE:** Dental Porcelain System

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

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

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Crystalline Silica	14464-46-1	TWA=0.05mg/m <sup>3</sup> (Respirable Dust) (ACGIH)	N.E.	40-70%
Aluminum oxide	1344-28-1	PEL= 5mg/m <sup>3</sup> TLV=10mg/m <sup>3</sup>	N.E.	10-20%

**SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**

<b>BOILING POINT:</b> N.A.	<b>SPECIFIC GRAVITY:</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.A.
<b>SOLUBILITY IN WATER:</b> not soluble	<b>ODOR THRESHOLD:</b> N.E.
<b>COEFFICIENT OF OIL/WATER DISTRIBUTION:</b> N.E.	<b>APPEARANCE AND ODOR:</b> Odorless powder

**SECTION 4 - FIRE AND EXPLOSION DATA**

**FLASH POINT:** N.A. **FLAMMABLE LIMITS:** N.A.  
**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, dry chemical, alcohol-resistant foam  
**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.A.  
**HAZARDOUS COMBUSTION PRODUCTS:** N.A.

**SECTION 5 - REACTIVITY DATA**

**STABILITY:** Stable  Unstable   
**POLYMERIZATION:** Will Not Occur  Will Occur

**CONDITIONS TO AVOID:** High heat, high humidity

**INCOMPATIBILITY (Materials to Avoid):** N.A.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** N.A.

**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				X	Group 2A		Calif. Prop. 65
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation  Skin  Ingestion 

**HEALTH HAZARD (Acute and Chronic):** Contains crystalline silica, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease.

**CALIFORNIA PROP 66 WARNING:** This product contains crystalline silica, a chemical known to the State of California to cause cancer.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Irritation and soreness in eyes, throat and nose.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with pre-existing conditions of the lungs may have increased susceptibility to the toxicity of excessive exposures.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Supply fresh air. Consult physician if irritation develops.

**EYE CONTACT:** Rinse eye with water for several minutes. If irritation persists, consult physician.

**SKIN CONTACT:** Wash with soap and water. Consult physician if irritation develops.

**INGESTION:** Consult physician if irritation develops.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**IN CASE OF RELEASE OR SPILL:** Absorb with inert material, scrape up and discard.

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

**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Product should be handled so as to minimize the amount of airborne dust. Store in sealed containers in cool, dry area.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Where there is potential for inhalation exposure to product dust, mist or aerosols in excess of exposure limits, wear NIOSH/MSHA approved respiratory protection.

**VENTILATION:** Local Exhaust  Mechanical: N.E. Special: N.E. Other: N.E.

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

**EYE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N.A.

**WORK/HYGIENIC PRACTICE:** Observe good 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.*

**DATE:** 09 January 2006

**REVISED:** 03 November 2010

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 – 2

NFPA

REACTIVITY – 1

SPECIAL –