

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 VEST G**CHEMICAL NAME:** N.A.**PRODUCT USE:** Dental phosphate bonded investment material-powder component. (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	%
Crystalline Silica	14464-46-1	TWA=0.05mg/m ³ (Respirable Dust) (ACGIH)	N.E.	80-90
Magnesium Oxide	1309-48-4	TWA=10mg/mg ³ (Total Dust) (ACGIH) TWA=5mg/m ³ (Respirable Dust) (ACGIH)	N.E.	5-10
Ammonium Phosphate	7722-76-1	N.E.	N.E.	10-20

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**BOILING POINT:** N.A.**SPECIFIC GRAVITY (H₂O = 1):** N.E.**VAPOR PRESSURE:** N.A.**MELTING POINT:** N.A.**VAPOR DENSITY:** N.A.**EVAPORATION RATE:** N.A.**SOLUBILITY IN WATER:** N.E.**ODOR THRESHOLD:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** White powder, odorless**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:** Wear self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE**HAZARDOUS COMBUSTION PRODUCTS:** N.A.**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable Unstable **POLYMERIZATION:** Will Not Occur Will Occur **CONDITIONS TO AVOID:** N.A.**INCOMPATIBILITY (Materials to Avoid):** Strong oxidizing chemicals, strong bases, strong acids.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Contains Ammonium Phosphate which when heated to decomposition emits very toxic fumes of NO_x, NH₃, and PO_x.

**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 know cause of silicosis, a non-cancerous lung disease.

CALIFORNIA PROP 65 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: If symptoms are experienced, remove victim to fresh air. If symptoms persist, obtain medical attention.

INGESTION: Have victim rinse mouth with water. DO NOT induce vomiting. If vomiting occurs naturally, rinse mouth and give water. If symptoms persist, obtain medical advice.

SKIN: If irritation occurs, wash gently and thoroughly with lukewarm water and non-abrasive soap. If irritation persists, obtain medical advice.

EYES: If irritation occurs, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 10 minutes. If irritation persists, obtain medical advice.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Scrape up and discard into clean, labeled containers.

WASTE DISPOSAL METHOD: Comply with Federal, State, and local regulations. If approved, may be transferred to a land disposal site.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Product should be handled so as to minimize the amount of airborne dust. Store in sealed containers in a cool, dry area away from incompatible materials. Protect containers from damage or breakage.

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: YES Mechanical: N.E. Special: N.E. Other: N.E.

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Safety glasses or goggles

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

REVIEWED: 22 January 2009

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

The information herein is given in good faith. No warranty expressed or implied is made.

FIRE - 0

TOXICITY - 2

NFPA
REACTIVITY - 0

SPECIAL -