

## KOOLINER - POWDER MATERIAL SAFETY DATA SHEET

### SECTION 1 - SOURCE/IDENTITY/USE INFORMATION

**MANUFACTURER**

GC AMERICA INC.  
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**COMMON NAME:** KOOLINER

**CHEMICAL NAME:** N.A.

**PRODUCT USE:** Reline dentures (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	%
Polyethyl methacrylate				88
Benzoyl peroxide	94-36-0	TWA=5mg/m <sup>3</sup>	N.E.	1-5
Silica, Crystalline - Quartz	14808-60-7	TWA=0.1mg/m <sup>3</sup> (respirable dust) (ACGIH)	N.E.	9-12

### SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

**BOILING POINT:** N.A.

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** >1.0

**VAPOR PRESSURE:** N.A.

**MELTING POINT:** N.E.

**VAPOR DENSITY:** N.A.

**EVAPORATION RATE:** N.A.

**SOLUBILITY IN WATER:** Insoluble

**ODOR THRESHOLD:** N.E.

**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.

**APPEARANCE AND ODOR:** Pink free flowing powder with no odor

### SECTION 4 - FIRE AND EXPLOSION DATA

**FLASH POINT:** N.A.

**FLAMMABLE LIMITS:** N.E.

**EXTINGUISHING MEDIA:** Carbon dioxide, water, dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus with full face mask and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Peroxides and their decomposition products are flammable and can ignite with explosive force if confined.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, methyl methacrylate

### SECTION 5 - REACTIVITY DATA

**STABILITY:** Stable

Unstable

**POLYMERIZATION:** Will Not Occur

Will Occur

**CONDITIONS TO AVOID:** High heat

**INCOMPATIBILITY (Materials to Avoid):** Contains strong oxidizing agents, and silicon dioxide which will react with hydrofluoric acid to generate volatile corrosive gas. May be attacked by strong alkalies. Will combine with many metallic oxides at high temperatures.

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

**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	X	X	Calif. Prop 65
SENSITIZER		X						

ROUTES OF ENTRY:    **Inhalation**     **Skin**     **Ingestion** **HEALTH HAZARD (Acute and Chronic):** This material contains silicon dioxide. Prolonged overexposure to silicon dioxide may cause scarring of the lungs and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.**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:** Inhalation; nuisance exposure may cause irritation of respiratory tract. Overexposure symptoms are dyspnea, caused by lung scars that result from the silica. Pain in the chest, decreased vitality and cough.**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.A.**EMERGENCY FIRST AID PROCEDURES:****INHALATION:** For acute exposure, remove person from contaminated area. For extreme distress, administer oxygen.**INGESTION:** N.A.**SKIN:** N.A.**EYES:** Silicon dioxide may be irritating to a sensitive or allergic person. In case of extreme distress wash the eyes carefully with warm water and seek medical attention.**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE****IN CASE OF RELEASE OR SPILL:** Sweep up and discard. Wash down spill area with hot water containing detergent and flush to sanitary sewer.**WASTE DISPOSAL METHOD:** In accordance with state, local, and federal regulations.**STORAGE, HANDLING, AND SPECIAL PRECAUTIONS:** Store in a cool, dry place. Keep away from heat and open flames.**SECTION 8 - CONTROL MEASURES****RESPIRATORY PROTECTION:** Reduce exposure in accordance with good hygiene practice. If exposure limits are exceeded, use MSHA-NIOSH approved respirators for dusts, mists, fumes.**VENTILATION:** Local Exhaust: Yes**Mechanical:** N.E.**Special:** N.A.**Other:** N.A.**PROTECTIVE GLOVES:** Not required**EYE PROTECTION:** Dust 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 W.H.M.I.S. CPR***DATE:** 09 January 2006**REV. DATE:** 11 September 2007**N.A. = NOT APPLICABLE****N.E. = NOT ESTABLISHED***The information herein is given in good faith. No warranty expressed or implied is made.***NFPA****FIRE – 0****TOXICITY – 2****REACTIVITY – 1****SPECIAL – OXY**