

MS329204

KOOLINER - POWDER
MATERIAL SAFETY DATA SHEET

Page 1 of 2

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: 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 ³	N.E.	1-5
Silica, Crystalline - Quartz	14808-60-7	TWA=0.1mg/m ³ (respirable dust) (ACGIH)	N.E.	9-12

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**BOILING POINT:** N.A.**SPECIFIC GRAVITY (H₂O = 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 alkalis. 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**REVIEWED:** 13 September 2010

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 – 1

SPECIAL – OXY

MS329205

KOOLINER - LIQUID
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Page 1 of 2

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COMMON NAME: KOOLINER**CHEMICAL NAME:** N.A.**PRODUCT USE:** Denture reliner - liquid 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	%
Isobutyl Methacrylate	97-86-9	TWA=50ppm (R&H)	LD50=>5000mg/kg (oral rat)	60-100
2,4-Dihydroxy Benzophenone	131-56-6	N.E.	N.E.	1-5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**BOILING POINT:** 151°C**SPECIFIC GRAVITY (H2O=1):** 0.9**VAPOR PRESSURE:** N.E.**MELTING POINT:** N.E.**VAPOR DENSITY:** 4.9**EVAPORATION RATE:** <1.0**SOLUBILITY IN WATER:** Insoluble**ODOR THRESHOLD:** <1ppm as methacrylate**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** Slightly yellow clear liquid, with methacrylate odor.**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** 42°C (closed cup)**FLAMMABLE LIMITS:** N.E.**EXTINGUISHING MEDIA:** Alcohol foam; carbon dioxide, dry chemical; water fog**SPECIAL FIRE FIGHTING PROCEDURES:** Wear MSHA/NIOSH self contained breathing apparatus and fill protective gear. Use water spray to cool containers. Explosion hazard.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Heat will cause explosive polymerization; heated containers can explode.**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide; acrid smoke and irritating fumes**SECTION 5 - REACTIVITY DATA****STABILITY:** Stable ☒Unstable ☐**POLYMERIZATION:** Will Not Occur ☐Will Occur ☒**CONDITIONS TO AVOID:** Heat, open flames**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing materials**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						
SENSITIZER	X							

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

ROUTES OF ENTRY: Inhalation ☒ Skin ☒ Ingestion ☒

HEALTH HAZARD (Acute and Chronic): Severe eye irritant

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Inhalation of vapor or mist can irritate nose and throat. Extended exposure will lead to headache, nausea, dizziness and loss of consciousness. Slightly irritating to skin.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air.

INGESTION: If swallowed dilute by giving two glasses of water to drink. Seek medical attention.

SKIN: Wash affected skin with soap and water.

EYES: Flush eyes with water for at least 15 minutes. See a physician if irritation persists.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Eliminate ignition sources. Use MSHA/NIOSH self contained breathing apparatus. Dike and contain spill. Transfer to container for disposal. Remove contaminated clothing promptly. Wash affected tissue with soap and water.

WASTE DISPOSAL METHOD: When discarded, this material is a hazardous waste. RCRA #D-001 (ignitable); reportable quantity 100 lbs. (40 CFR Part 302, superfund). Incinerate liquid and diking material in accordance with local, state, and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Avoid heat source; store out of direct sunlight.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Reduce exposure in accordance with safe hygiene practice. If exposure limits are exceeded, use an MSHA-NIOSH approved respirator for organic vapors.

VENTILATION: **Local Exhaust:** Mechanical at least 100 ft 3/min **Mechanical:** N.E.
 Special: N.E. **Other:** N.E.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Splash goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow safe hygiene practices to prevent spills, contact, and splashing.

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: 12 January 2009

REVIEWED: 28 February 2012

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FIRE – 2

TOXICITY – 2

NFPA
REACTIVITY – 3

SPECIAL – P