

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

GC AMERICA INC.
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Transportation Emergency No. 800-424-9300

COMMON NAME: ALIKE - LIQUID**CHEMICAL NAME:** N.A.**PRODUCT USE:** Processing of temporary dental crowns and bridges - liquid component.

The following information is provided with regard to the toxicity and hazard rating 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	%
Methyl Methacrylate	80-62-6	TWA=100ppm (ACGIH)	LD50=7.9g/kg (oral rat) LC50=3750ppm/4hr.	60-100
Ethyl-2-cyano 3-3 diphenylacrylate	5232-99-5	TWA=10mg/m ³ (BASF Rec)	N.E.	0.5-1.5
Methanol	67-56-1	STEL=250ppm (ACGIH) TWA+200ppm (ACGIH)	LD50=5628mg/kg (oral rat) LC50=64000 ppm/4hr.	5-10

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 64°C
VAPOR PRESSURE: N.E.
VAPOR DENSITY: N.E.
SOLUBILITY IN WATER: Insoluble
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.
APPEARANCE AND ODOR: Colorless, liquid with sharp unpleasant odor

SPECIFIC GRAVITY (H2O=1): 1.0
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: < 1 ppm as methyl methacrylate

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 12.8°C
FLAMMABLE LIMITS: LEL = 2.1% UEL = 12.5%
EXTINGUISHING MEDIA: Alcohol foam, dry chemical, Carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full protective equipment
UNUSUAL FIRE AND EXPLOSION HAZARDS: When heated above the flashpoint, emits vapors, which when mixed with air, can burn or be explosive. Fine mists on sprays may be flammable at temperatures below the flash point. Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition source.
HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Smoke

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: Heat and ignition sources**INCOMPATIBILITY (Materials to Avoid):** Reducing and oxidizing agents. Material has strong solvent properties and can soften paint or rubber.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None known

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							

ROUTES OF ENTRY: Inhalation Skin Ingestion **HEALTH HAZARD (Acute and Chronic):**

INHALATION: May cause nose and throat irritation. May cause irritation of mucous membranes. May cause nervous system depression. Reports have associated repeated and prolonged overexposure to brain damage and nervous system damage. May cause abnormal liver and kidney function. Overexposure to methanol has been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage, eye damage, lung, spleen, brain, and nervous system damage.

SKIN: May cause irritation or burning of skin. Repeated exposure may cause skin burns and allergic reactions.

EYES: May cause irritation or burning of eyes, skin, and mucous membranes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Progressive steps of inhalation overexposure: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.E.

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Do not induce vomiting. Give one or two glasses of water and refer to medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

SKIN: Wash with soap and water. Wash clothes prior to reuse.

EYES: Immediately flush eyes with water; continue for 15 minutes. Seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Eliminate source of ignition. Wear skin, eye respiratory protection. Contain spill and keep out of sewers. Use absorbent to soak up liquid. Use non-sparking equipment and shovel into waste container.

WASTE DISPOSAL METHOD: Material is a hazardous waste, No. U162. Dispose of waste in facility permitted for hazardous waste in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.

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: Yes Mechanical: N.A. Special: N.A. Other: N.A.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: Chemical eye goggles and full face protection if necessary

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash station

WORK/HYGIENIC PRACTICE: Follow routine 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: 01 March 2006

REVIEWED: 14 January 2009

REVISED: 23 August 2010

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N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

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

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FIRE - 4

TOXICITY - 2

NFPA
REACTIVITY - 3

SPECIAL - P