

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 RELINE BONDING AGENT**CHEMICAL NAME:** N.A.**PRODUCT USE:** To increase the bonding strength between the denture and the relining material.

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

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 = 3750 ppm 4 hr.	55-65
Acetone	67-64-1	TWA: 750ppm	LD50 = >6000mg/kg (oral rat) LC50 = NA	25-30
2-hydroxyethyl Methacrylate	868-77-9	N.E.	N.E.	5-10

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 100°C
VAPOR PRESSURE: 233 hPa@20°C
DENSITY: 0.95000 g/cm³@20°C
SOLUBILITY IN WATER: Not miscible or difficult to mix
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

SPECIFIC GRAVITY (H₂O = 1): 0.939
MELTING POINT: N.E.
EVAPORATION RATE: N.E.
ODOR THRESHOLD: <1ppm as Methyl methacrylate
APPEARANCE AND ODOR: Yellow tint liquid, unpleasant odor.

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 10°C
FLAMMABLE LIMITS: UEL: N.E.
LEL: N.E.

EXTINGUISHING MEDIA: Foam, sand, dry chemical, CO₂. Do not use water.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May emit toxic fumes under fire conditions.**HAZARDOUS COMBUSTION PRODUCTS OR DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and smoke.
Decomposes with heat.**SECTION 5 - REACTIVITY DATA**

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: Avoid high heat and ignition sources**INCOMPATIBILITY (Materials to Avoid):** oxidizing agents and reducing agents

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): May cause moderate eye irritation. May cause skin irritation. Ingestion causes irritation to the mouth, throat and G.I. tract and abdominal pain. Inhalation: high concentration can be irritating to respiratory tract and may cause dizziness, headache and anesthetic effects.

CHRONIC INFORMATION: Prolonged and/or repeated exposure may lead to kidney, lung, liver and heart damage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Nausea, dizziness and headache

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Progressive steps of inhalation overexposure: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

INGESTION: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

SKIN: In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

EYES: In case of contact, flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place in closed containers for disposal. Wash spill site after material pickup is complete.

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: Store in cool dry place. Keep away from heat and open flame. Do not expose to direct sunlight.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Wear appropriate NIOSH/MSHA - approved air purifying respirator.

VENTILATION: Use ventilation that is adequate to keep airborne concentrations below exposure limits.

PROTECTIVE GLOVES: Chemical resistant gloves

EYE PROTECTION: Safety goggles/glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash station/Safety shower

WORK/HYGIENIC PRACTICE: Observe good hygienic practices. Avoid contact with skin, eyes and clothing.

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

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N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

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

FIRE – 4

TOXICITY – 2

NFPA
REACTIVITY – 3

SPECIAL – P