

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

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COMMON NAME: COE-RECT LIQUID

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	%
Methyl Methacrylate	80-62-6	TWA=100ppm (ACGIH) (oral rat)	LD50=7.9g/kg LC50=3750 ppm/4hr.	60-100
Denatured Alcohol: Ethanol	64-17-5	TWA=1000ppm (ACGIH)	N.E.	1-5
Methanol	67-56-1	TWA=200ppm (ACGIH) STEL=250ppm (ACGIH)	LD50=5628 mg/kg (oral rat) LC50=64000 ppm/4hr.	
Dibutyl Phthalate	84-74-2	TWA=5mg/m ³ (ACGIH)	N.E.	15-40

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 78°C

SPECIFIC GRAVITY (H₂O = 1): 1

VAPOR PRESSURE: N.E.

MELTING POINT: N.A.

VAPOR DENSITY: N.E.

EVAPORATION RATE: N.E.

SOLUBILITY IN WATER: Insoluble

ODOR THRESHOLD: <1 ppm as Methyl Methacrylate

COEFFICIENT OF OIL/WATER DISTRIBUTION: N.E.

APPEARANCE AND ODOR: Colorless liquid with unpleasant odor

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: 11°C - Closed Cup

FLAMMABLE LIMITS: N.E.

EXTINGUISHING MEDIA: Water spray, dry chemical, foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or 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. High heat.

INCOMPATIBILITY (Materials to Avoid): Reducing and oxidizing agents. Material has strong solvent properties and can soften paint or rubber. Reaction of dibutyl phthalate and liquid chlorine may react explosively.

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 nervous system depression. Reports have associated repeated and prolonged overexposure to brain damage and nervous system damage. May cause irritation or burning of eyes, skin, and mucous membranes. Repeated exposure may cause skin burns and allergic reactions. May cause abnormal liver and kidney function. Contains methanol and ethanol. Prolonged exposure to ethanol may result in irritation of mucous membranes, headache, fatigue and narcosis. Methanol can result in acidosis and visual disturbances which may progress to permanent loss of vision.

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

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N.A.

EMERGENCY FIRST AID PROCEDURES:

INGESTION: If ingested, 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.

EYES: Immediately flush eyes with water. Seek medical attention.

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

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Eliminate source if ignition. Wear skin, eye, and 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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash 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: 01 March 2006

REVIEWED: 15 January 2009

N.A. = NOT APPLICABLE

N.E. = NOT ESTABLISHED

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

NFPA

FIRE – 4

TOXICITY – 2

REACTIVITY – 3

SPECIAL – P