

## MML-10-FS Coe Tray Plastic Liquid Fast Set Pint (Page 1 of 2)

## MATERIAL SAFETY DATA SHEET

## 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 a.m.-5:00 p.m. C.S.T.  
Transportation Emergency No. 800-424-9300

**COMMON NAME:** TRAY PLASTIC FAST LIQUID

**CHEMICAL NAME:** N.A.

**PRODUCT USE:** Custom dental impression trays - 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)	LD50=7.9 g/kg (oral rat) LC50=3750 ppm/4hr.	60-100
Methanol	67-56-1	STEL=250ppm (ACGIH) TWA=200ppm (ACGIH)	LD50=5628 mg/kg (oral rat) LC50=64000 ppm/4hr.	1-5

## SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

**BOILING POINT:** 62°C  
**VAPOR PRESSURE:** 50 (86°C)  
**VAPOR DENSITY:** 3.5  
**SOLUBILITY IN WATER:** Slight  
**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.

**SPECIFIC GRAVITY:** 0.940  
**MELTING POINT:** N.E.  
**EVAPORATION RATE:** N.E.  
**ODOR THRESHOLD:** <1 ppm as Methyl Methacrylate  
**APPEARANCE AND ODOR:** Colorless, volatile liquid with sharp odor

## SECTION 4 - FIRE AND EXPLOSION DATA

**FLASH POINT:** 11°C  
**FLAMMABLE LIMITS:** N.E.  
**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 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.  
**INCOMPATIBILITY (Materials to Avoid):** Reducing and oxidizing agents.  
**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							

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

## MML-10-FS Coe Tray Plastic Liquid Fast Set Pint (Page 2 of 2)

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.

**INGESTION:** May cause blindness, 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 and mucous membranes. Repeated exposure may cause skin burns and allergic reactions.

**EYES:** May cause irritation or burning of eyes.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Inhalation overexposure: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

**CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.E.

**EMERGENCY FIRST AID PROCEDURES:**

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

**EYE:** Immediately flush eyes with water. Seek medical attention.

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

**INGESTION:** If ingested, do not induce vomiting. Give one or two glasses of water and 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, & SPECIAL PRECAUTIONS:** Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.

**SECTION 8 - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Reduce exposure to vapors 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 good 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*

**PREPARED BY:** T. Joritz                                      **DATE:** 01 March 2006

Director Regulatory Affairs

**N.A. = NOT APPLICABLE**

**N.E. = NOT ESTABLISHED**

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

**FIRE – 4**

**TOXICITY – 2**

**NFPA  
REACTIVITY – 3**

**SPECIAL – P**