

MATERIAL SAFETY DATA SHEET

IDENTITY- INSTANT NO MMA LIQUID MONOMER

TDI www.transdesign.com

Section I

Trans Design, Inc.
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EMERGENCY TELEPHONE NUMBER
INFORMATION TELEPHONE NUMBER

DATE PREPARED

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2/12/2007

Section II

Hazardous components (Specific Chemical Identity; Common Name)

	CAS REG. NO.	OSHA PEL	ACGIH TLV	%
Ethyl Methacrylate	97-63-2	NE	NE	> 60
MEHQ	150-76-5	10mg/m3	NE	< 10
N,N-Dimethyl-p-Toluidine	99-97-8	NE	NE	< 20

(UV Inhibitors and Odor Masks contained in some Acrylic Monomers are under 1% and are believed to be TRADE SECRETS)

Section III-Physical/Chemical Characteristics

Boiling point	244-246 F (117-119 C)	Specific Gravity (H2O=1)	.0.918
Vapor Density (AIR-1)	3.9	Evaporation Rate (Butyl Acetate=1)	1.5
Vapor Pressure	15mmHg @ 20 degrees C	Percent Volatile W/W%	99+
Solubility in Water	0.5gm/100gm @ 68 degrees C		
Appearance and Odor	Clear/Purple liquid with an acidic/Fragranced odor.		

Section IV-Fire and Explosion Hazard Data

Flash Point (method used) TAG CLOSED: 70F (21C) Flammable Limits AIR VOL % LEL-Saturation

Extinguishing Media-Chemical Foam, Carbon Dioxide, Dry Chemical

Special Fire Fighting Procedures: Use water spray to cool container. Use self-contained breathing apparatus and full protective gear. Evacuate personnel to a safe area. Keep personnel up wind of fire.

Unusual fire and explosion hazards-Vapors may travel to source of ignition and flash back. Heat can cause polymerization with rapid release of energy, which may rupture container explosively. May occur on prolonged storage.

Section V Reactivity Data

Stability-Stable

Conditions to Avoid - Heat and source of ignition, aging, and contamination.

Incompatibility (material to avoid) - oxidizing agents and UV light.

Hazardous decomposition of By Products - Oxides of carbon when burned.

Hazardous Polymerization May Occur -Avoid temperatures above 60 degrees F, oxidizing or reducing agents, peroxides and amines.

Section VI-Health Hazard Data

Route of Entry: Inhalation-Yes Skin-Yes Eyes-Yes Ingestion-Yes

Threshold Limit Value (TLV): Monomer - 100ppm Permissible Exposure Limit (PEL): NE

Health Hazards (acute & chronic) - If inhaled, ingested or skin absorption is harmful. Prolonged contact may cause sensitization. Vapor & mist are irritating to mucous & eyes. May cause headache and nausea. This product has none of the components of that are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

First Aid: Inhalation: Move to fresh air. Get medical attention if discomfort persists.

Eyes: Flush with water for 30 minutes, including under eyelids; obtain medical attention.

Swallowing: Do Not induce vomiting. Seek prompt medical attention.

Skin: Wash skin with soap and water.

Section VII-Transportation Information – DOT Classified

Shipping Information:

Proper Shipping Name : Ethyl Methacrylate Monomer, Stabilized
Hazard Class : 3
ID No. (UN/NA) : UN 2277
DOT Label (s) : Flammable
Packing Group : II

Sections VIII-Precautions for Safe Handling and Use

Step to be taken if Material is spilled: Evacuate area. Eliminate sources of ignition. Dike and absorb with inert material. Transfer to proper containers for disposal. Use non-sparking tools, Keep spill out of sewers and open bodies of water.

Waste Disposal Methods: Incinerate liquid and diking material after addition of excess inhibitor, in accordance with Federal, State, and Local Regulations.

Precautions to be taken in handling and storage: Store in a cool dry place. Keep away from heat and light. Store in a ventilated area.

Section VIII-Control Measures

Use organic vapor mask & local exhaust. Protective gloves and goggles are also suggested.