

Acraweld Liquid Monomer**Material Safety Data Sheet**

Section I **Henry Schein, Inc.**
Manufacturer: **135 Duryea Road**
 Melville, NY 11747

Emergency Telephone Number: CHEMTRAC 800-424-9300
Telephone Number for Information: 1-800-472-4346
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Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended
Methyl Methacrylate (CAS# 80-62-6)	100 ppm	100 ppm	
Substituted Tolidine (CAS# 99-97-8)	NE	NE	
Benzophenone (CAS# 131-57-7)	NE	NE	
Hydroquinone (CAS# 123-31-9)	2 mg/m ³	2 mg/m ³	

Section III - Physical/Chemical Characteristics

Boiling Point: 101 °C, 214 °F Specific Gravity (H₂O=1): 0.94
Vapor Pressure (mm Hg.): 29 mm at 20 °C, 68 °F Melting Point: N/A
Vapor Density (AIR=1): 3.5 @ 60 °F, 16 °C Evaporation Rate (Butyl Acetate =1): 3.0
Solubility in Water: 1.6g/100g @ 20 °C, 68 °F Appearance and Odor: Clear, pale liquid, with an acrid fruity odor.

Section IV - Fire and Explosion Hazard Data

Flash Point : 10 °C, 51 °F Flammable Limits LEL: 2.12 UEL: 12.5

Extinguishing Media: Chemical foam, carbon dioxide, dry chemical.

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.

Special Fire Fighting Procedures: Wear self contained breathing apparatus & full protective gear. EXPLOSION HAZARD-Fight fire from protected location. Use water spray to cool containers.

Section V - Reactivity Data

Stability: Unstable Conditions to Avoid: Heat and ignition sources, aging and contamination.

Incompatibility: Oxidizing agents, reducing agents, and UV light. Material has strong solvent properties.

Hazardous Decomposition or By-products: Oxides of carbon when burned.

Hazardous Polymerization: May Occur

Conditions to Avoid: Temperatures above 70 °F, 21 °C, oxidizing or reducing agents, peroxides, acids, alkalies and amines.

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards: Acute or Chronic; N/A

Carcinogenicity: NTP? Hydroquinone IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: Headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness.

Medical Conditions Generally Aggravated by Exposure: NAIF

Emergency and First Aid Procedures: Inhalation: Remove to fresh air. If breathing has stopped give oxygen. Eye: Flush with water including under eyelids. Skin: Wash thoroughly with soap and water. Ingestion: Do not induce vomiting. Rinse mouth out with water.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Evacuate area. Eliminate sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert material. Transfer to proper containers for disposal, use non-sparking tools. Contaminated monomer may be unstable, add inhibitor to prevent polymerization. Keep spills and cleaning runoffs out of sewers and open bodies of water.

Waste Disposal Method: When discarded it is listed as a hazardous waste by EPA under RCRA U-162 with the reportable quantity (RQ) of 1000 lbs. 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 Storing: Observe precautions found on the label. Store in cool, dry place away from heat, sparks, flame, and direct sunlight. Close container after each use. Ground all metal containers when transferring. Check inhibitor levels every 3 months.

Other Precautions: Wash face and hands thoroughly with soap and water after handling and before eating, drinking, or smoking.

Section VIII - Control Measures

Respiratory Protection: Use self-contained breathing apparatus when needed.

Ventilation Local Exhaust: Recommended

Special: NAIF

 Mechanical (General): NAIF

Other: NAIF

Protective Gloves: Impervious gloves recommended

Eye Protection: Safety glasses or chemical splash goggles

Other Protective Clothing or Equipment: Protective creams for clean up only.

Work/Hygienic Practices: N/A

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