

Safety Data Sheet

Ultracryl II Liquid

ORTHO ORGANIZERS

1822 Aston Avenue
Carlsbad, CA 92008

Telephone: 1-800-547-2000

1. Identification of the substance/device and manufacturer: Ultracryl II Liquid				
2. Hazards identification:				
3. Composition, information on ingredients:				
Hazardous Components		OSHA PEL	ACGIH TLV	Other Limits Recommended
Methyl Methacrylate Monomer	80-62-6	100 ppm	100 ppm	
N,N-Dimethyl-p-Toluidine	99-97-8	NE	NE	
Benxophenone-3	131-57-7	NE	NE	
4. First aid measures:				
Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes				
Health Hazard: Acute or chronic: N/A				
Carcinogenicity: NTP: Hydroquinone IARC Monographs: No OSHA Regulated: No				
Sign and Symptoms of Exposure: Headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness.				
Medical conditions Generally Aggravated by Exposure: NAIF				
Emergency and First Aide Procedures				
Inhalation: Remove to fresh air. If breathing has stopped give oxygen.				
Eye Contact: Flush with water for 15 minutes, including under the eyelids.				
Skin Contact: Wash thoroughly with soap and water.				
Ingestion: Do not induce vomiting. Dilute with 2 glasses of water.				
5. Fire fighting measures:				
Flash Point: 10C, 51F				
Flammable Limits:				
LEL: 2.1				
UEL: 12				
Extinguishing Media: Chemical foam, carbon dioxide, dry chemical				
Unusual Fire and Explosion Hazards: Vapor 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.				
6. Accidental release measures:				
Personal Precaution:				
Environmental Precaution:				
7. Handling and storage:				
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.				

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<p>8. Exposure controls/personal protection: Respiratory Protection: Use self-contained breathing apparatus when needed. Ventilation: Local Exhaust: Recommended Mechanical (General): NAIF Special: 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 Protective: N/A</p>
<p>9. Physical and chemical properties: Appearance (physical state, color, etc): Clear, pale liquid, Upper/lower flammability or explosive limits; Odor; acrid fruity odor. Vapor pressure; (mm Hg): 29mm at 20C, 68F Odor threshold; pH; Relative density; Melting point/freezing point; N/A Solubility(ies) Solubility in Water: 1.6g/100g @ 20C, 214F Specific Gravity(H₂O=1): 0.94 Initial boiling point and boiling range; Flash point; Evaporation rate; (Butyl Acetate =1): 3.0 Flammability (solid, gas); Upper/lower flammability or explosive limits: Vapor density; (Air=1): 3.5 @ 60F, 16C Relative density; Solubility(ies); Partition coefficient; n-octanol/water; Auto-ignition temperature; Decomposition temperature; Viscosity:</p>
<p>10. Stability and reactivity: Stability: Stable Conditions to Avoid: Heating above 70F, 21C and sources of ignition, 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: Will not occur Conditions to Avoid: Temperatures above 70F, 21C oxidizing or reducing agents, peroxides, acids, alkalies and amines.</p>
<p>11. Toxicological information:</p>
<p>12. Ecological information:</p>
<p>13. Disposal considerations:</p>
<p>14. Transport information:</p>
<p>15. Regulatory information:</p>
<p>16. Other information:</p>