



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
97-310-23

Product Name: SC Liquid Monomer

Release Date: April 9, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Self Cure Liquid Monomer	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> NA	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 90-62-6	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> NA	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	OSHA PEL	ACGIH TLV	C.A.S. Number	Exposure Limits	%
Methyl methacrylate	100 ppm	100 ppm	90-62-6	NA	NA
Subathuted toluidine	NE	NE	99-97-8	NA	NA
Benzophenone	NE	NE	131-57-7	NA	NA
Hydroquinone	2(mg/m3)	2(mg/m3)	123-31-9	NA	NA

## 3. Hazard Identification

<b>Emergency Overview</b> NA					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	NA	NA	NA	N/A	NA
Skin Yes	NA	NA	NA	N/A	NA
Inhalation Yes	NA	NA	NA	N/A	NA
Ingestion Yes	NA	NA	NA	N/A	NA
Other	Signs and symptoms of exposure: Headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness.	NA	NA	N/A	NA
<b>Medical Conditions Aggravated by Exposure</b> NAIF					
<b>Carcinogenicity (IARC, NTP)</b> NTP?: Hydroquinone. IARC Monographs?: No OSHA regulated?: No					
<b>Potential Environmental Effects</b> NA					

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush with water including under the eyelids.	NA	NA
Skin	Wash thoroughly with soap and water.	NA	NA
Inhalation	Remove to fresh air. If breathing has stopped give oxygen.	NA	NA
Ingestion	Do not induce vomiting. Rinse mouth out with water.	NA	NA
Other	NA	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> NA			



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## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> 10°C / 51°F	<b>Flammable (Explosive) Limits in Air</b> LEL: 2.12 UEL: 12.5	<b>Autoignition Temperature</b> NA	<b>Other</b> NA
<b>Flame Propagation or Burning</b> NA	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health- , Flammability- , Reactivity- NA	
<b>Extinguishing Media</b> Chemical foam, carbon dioxide, dry chemical.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> Wear self contained breathing apparatus & full protective gear. Explosion hazard: Fight fire from protected location. Use water spray to cool containers.			
<b>Unusual Fire and Explosion Hazards</b> Vapors may travel to source of ignition and flash back. Heat can cause polymerization with rapid release of energy which may rupture container explosively.			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> 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.
<b>Evacuation Procedures</b> NA
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b> Observe precautions found on the label.
<b>Storage Practices and Warnings</b> (°C / °F). 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.



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## 8. Exposure Control/Personal Protection

<b>Ventilation</b> Use self-contained breathing apparatus when needed.		<b>Other Engineering Controls</b> Local exhaust: Recommended. Special: NAIF. Mechanical (general): NAIF. Other: NAIF
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	Safety glasses or chemical splash goggles.	NA
<b>Skin</b>	Protective gloves: Impervious gloves recommended.	NA
<b>Inhalation</b>	NA	NA
<b>General Hygiene Considerations and Work Practices</b> N/A		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b> NA		
<b>Other Protective Measures and Equipment</b> Protective creams for clean up only.		

## 9. Physical and Chemical Characteristics

<b>Appearance</b> Clear, pale liquid.	<b>Odor</b> Acrid fruity odor
<b>Normal Physical State:</b> <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas  <input type="checkbox"/> Solid <input type="checkbox"/> _____ (Other)	<b>Boiling Point</b> 101 °C / 214 °F <b>Melting Point</b> °C / °F N/A <b>Freezing Point</b> °C / °F NA
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> 0.94	<b>Solubility in Water</b> 1.6 g/ 100g @ 20°C, 68°F
<b>Vapor Pressure (mm Hg @ 20°C)</b> 29 mm at 20°C ,88°F	<b>Vapor Density (AIR= 1)</b> 3.5 @ 60°F , 16 °C
<b>Other</b> NA	<b>pH</b> NA
	<b>Evaporation Rate (Butyl Acetate = 1)</b> 3.0

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> Oxidizing agents, reducing agents, and UV light. Material has strong solvent properties.	
<b>Hazardous Products Produced During Decomposition</b> Oxides of carbon when burned.	
<b>Hazardous Polymerization?</b> <input checked="" type="checkbox"/> May Occur <input type="checkbox"/> May Not Occur	<b>Conditions to Avoid</b> Temperatures above 21°C /70 °F , oxidizing or reducing agents, peroxides, acids, alkalies and amines.
<b>Stability?</b> <input type="checkbox"/> Stable <input checked="" type="checkbox"/> Unstable	<b>Conditions to Avoid</b> °C / °F Heat and ignition sources, aging and contamination.

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> NA
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## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> NA
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## 13. Disposal Considerations

### Regulations

When discarded it is listed as a hazardous waste by EPA and RCRA U- 162 with the reportable quantity (RQ) of 1000lbs. Incinerate liquid and diking material after addition of excess inhibitor, in accordance with federal, state and local regulations.

### Properties (Physical/Chemical) Affecting Disposal

NA

## 14. Transport Information

### Regulated for shipping?

Yes  No NA

### Proper Shipping Name

SC Liquid Monomer

### Packing Group

NA

### Do changes in quantity, packaging, or shipment method change product classification?

Yes  No NA

### Hazard Class

NA

### Identification Number

NA

### Other

NA

## 15. Regulatory Information

### Federal Regulations

NA

### International Regulations

NA

### Other

NA

## 16. Other Information

Supplier Number: 170/45

Supplier Release: December 1, 1999

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.