



### MATERIAL SAFETY DATA SHEET

**Product:** Liquid Photoimageable Solder Resist Ink

MSDS ID:



#### 01. General Identification

No.136 Gaoxin West Rd,Jiangmen  
Hi-tech Industrial Development Zone,  
Jiangmen City.Guangdong.China.  
P.R.C. 529000

**Zhongshan office telephone number:**  
0086-760-88637033

**Product information:**  
0086-750-3867588/0086-750-3867589

**Product Name:** Liquid Photoimageable Solder Resist Ink (RS-2000 8GL(CE)/RS-2000 ACE)

**Use:** high density printing circuit boards

#### 02. Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	Hazard level
61788-97-4	(C <sub>11</sub> H <sub>12</sub> O <sub>3</sub> ) <sub>n</sub>	30-40	6
95481-62-2	C <sub>21</sub> H <sub>36</sub> O <sub>12</sub>	20-30	6
7727-43-7	BaSO <sub>4</sub>	20-30	6
10279-57-9	H <sub>2</sub> O <sub>3</sub> Si	3-5	6
9570-58-9	C <sub>28</sub> H <sub>34</sub> O <sub>13</sub>	15-20	6
1328-53-6	C <sub>32</sub> Cl <sub>16</sub> CuN <sub>8</sub>	1-2	6

#### 03. Hazards Identification

**Eyes:** No observable effects of overexposure.  
**Skin:** Mild irritation.  
**Inhalation:** Very mild, if any, irritation.  
**Ingestion:** Nausea and diarrhea are possible.  
**Chronic:** None known.

#### 04. First Aid Measure

**Eyes:** Remove contact lenses. Flush with water or saline for 15 minutes. Get medical aid.  
**Skin:** Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.  
**Inhalation:** Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.  
**Ingestion:** Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

#### 05. Fire Fighting Measures

**Autoignition Temperature:** n/e      **Flash Point:** none      **LEL / UEL:** n/a  
**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.  
**General Information:** Will burn if involved in a fire. Containers may explode in the heat of a fire.  
**NFPA Ratings:** Health 0      Flammability 0      Reactivity 0  
**HMIS Ratings:** Health 0      Flammability 0      Reactivity 0      WHMIS Codes n/a



### 06. Accidental Release Measures

**Spill Procedure:** Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

### 07. Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances. Keep from freezing.

### 08. Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

### 09. Physical and Chemical Properties

<b>Physical State:</b> Liquid	<b>Odor:</b> laytex	<b>Solubility:</b> none	<b>Evaporation Rate:</b> n/a
<b>Boiling Point:</b> 100°C	<b>Specific Gravity:</b> 1	<b>Vapor Pressure:</b> n/a	<b>Vapor Density:</b> n/e <b>pH:</b> 7

### 10. Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.

**Conditions to avoid:** Temperatures over 40°C, ignition sources.

**Incompatibilities:** None

**Polymerization:** Will not occur.

**Decomposition:** Carbon monoxide, carbon dioxide, nitrogen oxides

### 11. Toxicological Information

<b>Sensitization:</b> (effects of repeated exposure)	Not known to
<b>Carcinogenicity:</b> (risk of cancer)	Not known to
<b>Teratogenicity:</b> (risk of malformation in an unborn fetus)	Not known to
<b>Reproductive Toxicity:</b> (risk of sterility)	Not known to
<b>Mutagenicity:</b> (risk of heritable genetic effects)	Not known to

Lethal Exposure Concentrations:    Ingestion(LD50): n/e    Inhalation (LC50): n/e    Skin (LD50): n/e

### 12. Ecological Information

**General Information:** Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)

<b>CFC:</b> 0	<b>HFC:</b>	<b>Cl.Solv.:</b> 0	<b>VOC:</b> 53	<b>HCFC:</b> 0	<b>ODP:</b> 0
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### 13. Disposal Information

Add : No.136 GaoXin West Rd,JiangMen Hi-tech Industrial Development Zone,Jiangmen City  
 Tel : +86-750-3867588    Fax: +86-750-3867599    E-mail: abq7588@163.com



**General Information:** Non-hazardous, however used product may contain possible contaminants (solder) that could make the product hazardous. Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

**14. Transportation Information**

**Ground:**

Not regulated

**Air:**

Not regulated

**Sea:**

Not regulated

**15. Regulatory Information**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depletors.

This product does not contain any class 2 ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals know to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

**16. Other Information**

**Definitions:** n/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.

**Tabulator:** Jiangmen ABQ Electronic Material CO., Ltd

**date tab:** May,31,2018

钟远收 31/5.2018