MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Chemical Name: Trade Name:	Photoimageable Solder Mask R-500 D-400 GD4
Suggestion and Restriction:	Protect PCB surface from scratch and for insulation.
	Fully mixing with hardener. Printing with screen, exposure and development.
Company:	Onstatic Technology Co., Ltd.
	7F., No.1,Ren' ai Rd., Yingge Dist., New Taipei City
	239,Taiwan(R.O.C.)
TEL:	886-2-26777481
FAX:	886-2-26777484

2. HAZARDS IDENTIFICATION

GHS Classification

- 1. Flammable Liquids 4
- 2. Skin Corrosion/Irritation 2
- 3. Eye Damage/Irritation 2A
- 4. Toxic to Reproduction 1
- 5. Hazardous to the Aquatic Enviroment Acute Hazard 2

Symbol



Signal word	Warning
Emergency Overview	
HAZARD	1. Flammable Liquids
	2. Causes skin irritation
	3. Causes serious eye irritation
	4. May damage fertility or the unborn child
	5. Toxic to aquatic life
PRECAUTIONARY	Y STATEMENT
Prevention	1. Obtain special instructions before use.
	2. Do not handle until all safety precautions have been read and
understood.	
	3. Wear protective gloves/clothing and eye/face protection
	4. Avoid breathing fume/gas/mist/vapors.
	5. Do not eat, drink or smoke when using this product.
	6. Keep away from heat/sparks/open flame- No smoking.
	7. Use explosion-proof electrical/ventilating/lighting equipment.
	8. Wash hands thoroughly after handling.
	9. Avoid contact during pregnancy/while nursing.

10. Avoid release to the environment

11. Keep container tightly closed when not use.

3. COMPOSITION INFORMATION

	CAS No.	CONTENT
Dipropylene glycol monomethyl ether	34590-94-8	≦10%
Di(propylene glycol) methyl ether acetate	88917-22-0	≦10%
Araldite (Epoxy acrylate)	Business secret	≦35%
Solvent naphtha	64742-94-5	≦ 5%
2-methyl-4' -methylthio)-2-morpholino-propiopheno	71868-10-5	≦ 10%
Barium sulfate and additives	7727-43-7	≦30%

4. FIRST-AID MEASURES

EYE CONTACT:	Immediately flush with plenty of water and continue washing for several minutes. Seek medical advice.
SKIN CONTACT:	Remove all contaminated clothing. Wash skin with soap and plenty of water. Obtain medical advice if irritation persists. Wash contaminated clothing before reuse.
INGESTION:	Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
INHALATION:	Move exposed person to fresh air. Seek medical advice if symptoms persist.
Notes to physician	No specific treatment. Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: 78°C METHOD USED: Se taflash closed-cup

- EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical power or appropriate foam.
- SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS: Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

ar appropriate
with soil,
Prevent entry
Sweep up
er. Dispose of

7. HANDLING AND STORAGE

HANDLING:	Avoid contact with eye.
	Keep away from heat, flame and sunlight.
	Wash through after handling.
STORAGE:	Stored in dark and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Mechanical exhaust required.	
	Keep tightly closed.	
	Store in a cool dry place.	
PERSONAL PROTECTION:	Chemical safety goggles.	
Hands	Compatible chemical resist gloves.	
Eyes	Wear noish-approved respiration.	
Skin	Safety shower and eye bath.	
	Avoid contact with eyes, skin and clothing.	
	Wash thorough after handling.	
Environmental exposure controls	Emissions from ventilation or work process	
-	equipment should be checked to ensure they	
	comply with the requirements of environmental	
	protection legislation. In some cases, fume	
	scrubbers, filters or engineering modifications to	
	the process equipment will be necessary to reduce	
	emissions to acceptable levels.	
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9. PHYSICAL AND CHEMICAL PROPERTY

APPEARANCE:	Green paste
ODOR:	Ether odor
pH (as supplied):	Not Applicable
VAPOR PRESSURE:	2mm Hg @ 38°C
VAPOR DENSITY:	4.7
MELTING POINT:	<-20°C
BOILING POINT:	>190°C
FLASH POINT:	78°C
AUTOIGNITION POINT:	>360°C
DECOMPOSITION POINT:	Not Applicable
WATER SOLUBILITY:	immiscible
SPECIFIC GRAVITY:	1.3±0.2/25°C
EVAPORATION RATE:	Not Applicable

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

CHEMICAL STABILITY: Stable under recommended storage conditions. See storage section.

INCOMPATIBILITY (Materials to Avoid): Strong acids, strong bases, peroxides and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Causes eye and skin irritation. INGREDIENT NAME: Dipropylene glycol monomethyl ether acetate (DPMA) LD50 Dermal Rabbit 5,000 mg/kg LD50 Oral Rat 5,000 mg/kg

12. ECOLOGICAL INFORMATION

DO NOT discharge into sewer or waterways.

13. DISPOSAL CONSIDERATIONS (See Section 15 for Regulatory Information)

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observed local environmental regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulation.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA):

All ingredients are on the TSCA inventory or are not required to be list on the TSCA inventory.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Onstatic Technology Co., Ltd. shall not be held liable for any damage resulting from handling or from contacting with the above product.

Prepared by:Oscar YuTitle:QA section managerApproval Date:April-25-2012