

Material Safety Data Sheet CLP-Y300A, CLP-Y350A, CLT-Y409S, CLT-T4092S

Revised Date June 30, 2009 Set Up Date December 15, 2005

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY : Samsung Electronics Company 416, Maetan-3Dong, Yeongtong-Gu, Suwon-City, Gyeonggi-Do, Korea 443-742 TELEPHONE NO. : 82-31-200-8311 EMERGENCY TELEPHONE NO. : 82-31-200-8311

2. COMPOSITION / INFORMATION ON INGERDIENTS

SUBSTANCE / MIXTURE CHEMICAL NAME	: Mixture : Yellow Toner
INGREDIENTS AND CONCENTR	
Ingredients	Concentration Range(%)
Polyester resin	75 - 90
Wax	1 – 10
Yellow pigment	0.5 - 10
Silica	1 – 5

3. HAZARDS IDENTIFICATION

FIRE AND EXPLOSION HAZARD	: May cause risk of dust explosion.
POTENTIAL HEALTH EFFECTS	: To the best of our investigation, no special hazards have to be mentioned.
ENVIRONMENTAL EFFECTS	: To the best of our investigation, no information available.

4. FIRST-AID MEASURES

IN CASE OF EYE CONTACT IN CASE OF SKIN CONTACT IN CASE OF INHALATION IN CASE OF INGESTION	 Immediately hold eyelids open and flush with a stream of water for at least 15 minutes. If necessary seek medical attention. Wash material off the skin with plenty seek medical attention. Remove person to fresh air. If necessary Seek medical attention. Never give anything by mouth to an unconscious person. If possible, rinse out mouth and give one or two glasses of water or milk to drink.
5. FIRE-FIGHTING MEASUARES	

EXTINGUISHING MEASURES	: Risk of producing harmful gases such as carbon monoxide and nitrogen
EXTINGUISHING AGENTS	oxides.Avoid inhalation of smoke or gases. : In case of small fire use powder, carbon dioxide. In case of large fire shut off air by spraying with water or foam.

6. ACCIDENTAL RELEASE MEASURES

: In case of spill vacuum material immediately. Then wipe up remainder in waste cloth.

7. HANDLING AND STORAGE

HANDLING	: Fight fire from upwind position.
	Avoid inhalation of dust.
	Prevent generation of dust
	Avoid inhalation of fine dust .
STORAGE	: Protect from sun. Store in a cool room.(under 40 C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ACGIH(TLV) OSHA(PEL)	: Not established : Not established
VENTILATION	: Use local exhaust ventilation or general ventilation
PROTECTIVE MEASURES	Ū.
RESPIRATORY PROTECTIVE	: Dust respirator
EQUIPMENTS	
EYE PROTECTIVE EQUIPMENTS	: Safety goggles
HAND PROTECTIVE EQUIPMENTS	: Rubber gloves
PROTECTIVE CLOTHINGS	: Use as appropriate to situation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Yellow powder
ODOUR	: Odourless
BOILING POINT	: No data available
VAPOUR PRESSURE	: No data available
VAPOUR DENSITY	: No data available
VOLATILITY	: No data available
MELTING / FREEZING POINT	: No data available
SPECIFIC GRAVITY	: 1.2 (20.0 ℃)
SOLUBILITY	
WATER SOLUBILITY	: No data available
SOLVENT SOLUBILITY	: A part of component is soluble in toluene, chloroform and tetrahydrofuran
рН	: No data available
VISCOSITY	: No data available
OCTANOL / WATER PARTITION COEFFICIENT	: No data available
OTHER INFORMATION	: None

10. REACTIVITY AND STABILITY

FLASH POINT
AUTOIGNITION TEMPERATURE
EXPLOSIVE LIMIT IN AIR(LEC)
EXPLOSIVE LIMIT IN AIR(UEC)
COMBUSTIBILITY
OXIDIZABILITY
SELF-REACTIVITY / EXPLOSIVITY
REACTIVITY AND STABILITY
HAZARDOUS COMBUSTION
OR DECOMPOSITION PRODUCTS
OTHER INFORMATION

: Not applicable

- : No data available
- : No data available
- : No data available
- : Yes
- : No
- : This material may cause risk of dust explosion.
- : Stable in general.
- : No information available
- : None

11. TOXICOLOGICAL INFORMATION

CORROSIVITY SKIN IRRITATION EYE IRRITATION SENSITIZATION ACUTE TOXICITY	: No data available : No data available : No data available : No data available : No data available
SUBCHRONIC EFFECTS	: No data available
CHRONIC EFFECTS	: No data available
CARCINOGENICITY	: No data available
IARC	: Group 3.The agent is not classifiable as to its carcinogenicity to humans.(Silica) Group 2B. The agent is possibly carcinogenic to humans.(Carbon
NTP	: None of this product's components are listed
OSHA	: None of this product's components are listed
MUTAGENICITY	: Ames test (TA98, TA100, TA1535, TA1537, TA1538, WP2urvA) : Negative
REPRODUCTIVE EFFECTS	: No data available
TERATOGENICITY	: No data available
OTHER INFORMATION	: None.
2. ECOLOGICAL INFORMATION	

12. ECOLOGICAL INFORMATION

: No data available : No data available : No data available : None

13. DISPOSAL CONSIDERATIONS

Review "HANDLING AND STORAGE(Section7)" Dispose of waste in accordance with local,state and federal regulations. Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides

14. TRANSPORTATION INFORMATION

PRECAUTIONS	Follow all regulations in your country or region. : Review "ACCIDENTAL RELEASE MEASURES (Section6)" Review "HANDLING AND STORAGE (Section7)" Handle container carefully to avoid shock. Do not fall or crash Keep dry
PROPER SHIPPING NAME	: Non hazardous
HAZARD CLASS	: Not applicable
UN NO.	: Not applicable
PACKING GROUP	: Not applicable
HAZARD LABELS	: Not applicable

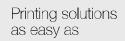
15. REGULATORY INFORMATION

EINECS TSCA Follow all regulations in your country or region. : No (ELINCS) : Yes

16. OTHER INFORMATION

REFERENCES : None

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