

CLP-Y300A, CLP-Y350A,  
CLT-Y409S, CLT-T4092SRevised Date June 30, 2009  
Set Up Date December 15, 2005

## 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 INGREDIENTS

SUBSTANCE / MIXTURE	: Mixture	
CHEMICAL NAME	: Yellow Toner	
INGREDIENTS AND CONCENTRATION RANGE		
Ingredients	Concentration Range(%)	CAS RN
Polyester resin	75 - 90	Trade Secret
Wax	1 - 10	Trade Secret
Yellow pigment	0.5 - 10	Trade Secret
Silica	1 - 5	Trade Secret

## 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 : Immediately hold eyelids open and flush with a stream of water for at least 15 minutes. If necessary seek medical attention.  
IN CASE OF SKIN CONTACT : Wash material off the skin with plenty seek medical attention.  
IN CASE OF INHALATION : Remove person to fresh air. If necessary  
IN CASE OF INGESTION : 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 MEASURES

EXTINGUISHING MEASURES : Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.  
EXTINGUISHING AGENTS : 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)	: Not established
OSHA(PEL)	: Not established
VENTILATION	: Use local exhaust ventilation or general ventilation
PROTECTIVE MEASURES	
RESPIRATORY PROTECTIVE EQUIPMENTS	: Dust respirator
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 °C)
SOLUBILITY	
WATER SOLUBILITY	: No data available
SOLVENT SOLUBILITY	: A part of component is soluble in toluene, chloroform and tetrahydrofuran
pH	: No data available
VISCOSITY	: No data available
OCTANOL / WATER	: No data available
PARTITION COEFFICIENT	
OTHER INFORMATION	: None

## 10. REACTIVITY AND STABILITY

FLASH POINT	: Not applicable
AUTOIGNITION TEMPERATURE	: No data available
EXPLOSIVE LIMIT IN AIR(LEC)	: No data available
EXPLOSIVE LIMIT IN AIR(UEC)	: No data available
COMBUSTIBILITY	: Yes
OXIDIZABILITY	: No
SELF-REACTIVITY / EXPLOSIVITY	: This material may cause risk of dust explosion.
REACTIVITY AND STABILITY	: Stable in general.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	: No information available
OTHER INFORMATION	: None

## 11. TOXICOLOGICAL INFORMATION

CORROSIVITY	: No data available
SKIN IRRITATION	: No data available
EYE IRRITATION	: No data available
SENSITIZATION	: No data available
ACUTE TOXICITY	: 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.

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY	: No data available
BIOACCUMULATION	: No data available
FISH TOXICITY	: No data available
OTHER INFORMATION	: 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

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**15. REGULATORY INFORMATION**

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

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**16. OTHER INFORMATION**

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REFERENCES : None

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