

# MATERIAL SAFETY DATA SHEET

## [1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : CLP-C660A, CLP-C660B  
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 : Cyan Toner

### INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Polyester resin	70 - 90	Trade Secret
Wax	1 - 10	Trade Secret
Cyan pigment	1 - 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  
ENVIRONMENTAL EFFECTS : To the best of our investigation, No special hazards have to be

## [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 of water and soap. If necessary seek medical attention.  
IN CASE OF INHALATION : Remove person to fresh air. If necessary seek medical attention.  
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.

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**[6.ACCIDENTAL RELEASE MEASURES]**

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

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**[7.HANDLING AND STORAGE]**

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**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)

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**[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]**

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**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.

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**[9.PHYSICAL AND CHEMICAL PROPERTIES]**

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**APPEARANCE** : Cyan 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  
**pH** : No data available  
**VISCOSITY** : No data available  
**OCTANOL / WATER** : No data available  
**PARTITION COEFFICIENT**  
**OTHER INFORMATION** : None



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**[10.REACTIVITY AND STABILITY]**

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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 data available
OTHER INFORMATION	: None

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**[11.TOXICOLOGICAL INFORMATION]**

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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.(Titanium)
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, WP2uvrA) : Negative
REPRODUCTIVE EFFECTS	: No data available
TERATOGENICITY	: No data available
OTHER INFORMATION	: None

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**[12.ECOLOGICAL INFORMATION]**

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BIODEGRADABILITY	: No data available
BIOACCUMULATION	: No data available
FISH TOXICITY	: No data available
OTHER INFORMATION	: None

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**[13.DISPOSAL CONSIDERATIONS]**

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Review "HANDING AND SRORAGE(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.

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**[14.TRANSPORTATION INFORMATION]**

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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 LABE	: Not applicable

[15.REGULATORY INFORMATION]

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

[16.OTHER INFORMATION]

REFERENCES : None

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