



MATERIAL SAFETY DATA SHEET

[1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : CLP-Y660A, CLP-Y660B
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
(GENERIC NAME)
CHEMICAL FORMULA : Not specified
CAS RN : Confidential
UN No. : Not applicable
EINECS : No(ELINCS)
ECL : Yes
TSCA : Yes
OTHER INFORMATION : Contains :Silica dioxide about 3% .
Titanium dioxide about 1%

[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.

[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 : 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

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 data 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.(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

[12.ECOLOGICAL INFORMATION]

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

[13.DISPOSAL CONSIDERATIONS]

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.



[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 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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