



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 :

: Mixture

CHEMICAL NAME

: Cyan Toner

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Polyester resin	75 - 90	Trade Secret
Wax	1 – 10	Trade Secret
Cyan pigment	2 - 10	Trade Secret
Amorphous 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 MEASUARES

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

: 1.2 (20.0 ℃)

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 : 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

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 : No data available

OR DECOMPOSITION PRODUCTS

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

Follow all regulations in your country or region.

PRECAUTIONS : 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

Follow all regulations in your country or region.

EINECS : No (ELINCS)

ECL : Yes TSCA : Yes

16. OTHER INFORMATION

REFERENCES: None

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