

CLP-C300A, CLP-C350A,  
CLT-C409S, CLT-C4092SRevised Date June 30, 2009  
Set Up Date December 15, 2005

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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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

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

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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 |
| Silica          | 1 - 5                  | Trade Secret |

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**3. HAZARDS IDENTIFICATION**

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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.

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**4. FIRST-AID MEASURES**

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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.

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**5. FIRE-FIGHTING MEASURES**

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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.

## 7. HANDLING AND STORAGE

|          |   |
|----------|---|
| HANDLING | : Fight fire from upwind position.<br>Avoid inhalation of dust.<br>Prevent generation of dust |
| STORAGE  | : Avoid inhalation of fine dust .<br>: 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               | : 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°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)<br>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.<br>: Review "ACCIDENTAL RELEASE MEASURES (Section6)"<br>Review "HANDLING AND STORAGE (Section7)"<br>Handle container carefully to avoid shock. Do not fall or crash<br>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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