

MATERIAL SAFETY DATA SHEET

[1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : CLX-R8380Y
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 : Developer
(GENERIC NAME)
CHEMICAL FORMULA : Carrier(Ferrite powder) 91%
Toner 9%
OTHER INFORMATION : None

[3.HAZARDS IDENTIFICATION]

FIRE AND EXPLOSION HAZARD : Incombustibles.
POTENTIAL HEALTH EFFECTS : No Special hazards have to be mentioned.
ENVIRONMENTAL EFFECTS : No Special hazards have to be mentioned.

[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 : Fight fire from upwind position
Spray or scatter the extinguishing agents directly to the fire.
EXTINGUISHING AGENTS : In case of small fire use powder, carbon dioxide
water spray or dry sand.

[6.ACCIDENTAL RELEASE MEASURES]

Small spill: Prevent dispersion of dust. Sweep or vacuum spilled materials and flush with water.

Use goggles in combination with dust mask, and another protections as appropriate to situation.

[7.HANDLING AND STORAGE]

HANDLING : Use goggles in combination with dust mask, and another protections as appropriate to situation.

STORAGE : Protect from sun. Store in a dark, cool and well-ventilated place.

[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]

A. General product information

This product can be an inhalation hazard. Keep exposure to a minimum.

B. Component exposure limits

Iron (ferric) oxide.

ACGIH : TLV : as Fe : 5mg/m³

as Mn : 0.2mg/m³

Dust : 10mg/m³(Inhalable particulate)

3mg/m³(Respirable particulate)

OSHA : PEL : as Mn : (C) 5mg/m³

Dust : 5mg/m³(Respirable fraction)

15mg/m³(Total dust)

VENTILATION : Use local exhaust ventilation.

PROTECTIVE MEASURES

RESPIRATORY PROTECTIVE : Dust respirator

EQUIPMENTS

EYE PROTECTIVE EQUIPMENTS : Safety glasses

HAND PROTECTIVE EQUIPMENTS : Protective gloves

PROTECTIVE CLOTHINGS : Protective clothing

[9.PHYSICAL AND CHEMICAL PROPERTIES]

APPEARANCE : Yellow metal powder

ODOUR : Odourless

BOILING POINT : Not applicable

VAPOUR PRESSURE : Not applicable

VAPOUR DENSITY : Not applicable

VOLATILITY : None

MELTING / FREEZING POINT : Not applicable

SPECIFIC GRAVITY : 5.0 (25.0°C)

Particle size : 40 microns



SOLUBILITY

WATER SOLUBILITY	: Insoluble
SOLVENT SOLUBILITY	: None
pH	: No data available
VISCOSITY	: Not applicable
FLASH POINT	: No data
OTHER INFORMATION	: None

[10.REACTIVITY AND STABILITY]

Chemical stability	: Stable
Condition to avoid	: Store away form acids and alkalis
Incompatibility	: Strong oxidizing agents
Hazardous Decomposition Products	: None
Hazardous Polymerization	: Will not occur

[11.TOXICOLOGICAL INFORMATION]

CORROSIVITY	: No data available
SKIN IRRITATION	: No data available
EYE IRRITATION	: No data available
SENSITIZATION	: Not sensitized
ACUTE TOXICITY	: No data available
SUBCHRONIC EFFECTS	: No data available
CHRONIC EFFECTS	: No data available
CARCINOGENICITY	
A. General Product / component information	: Not available
B. Component carcinogenicity listings	
Iron(ferric) oxide	
IARC	: Iron oxide is Listed in group 3 (Non classified)
NTP	: Not listed
OSHA	: Not 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.



[14.TRANSPORTATION INFORMATION]

	Follow all regulations in your country or region.
PRECAUTIONS	: Review "ACCIDENTAL RELEASE MEASURES(Section6)" Review "HANDLING AND STORAGE(Section7)"
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.
ECL	: Yes
EINECS	: No (ELINCS)
TSCA	: Yes

[16.OTHER INFORMATION]

REFERENCES : None

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