



# MATERIAL SAFETY DATA SHEET

## [1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : CLX-R8380M  
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.

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**[6.ACCIDENTAL RELEASE MEASURES]**

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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.

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**[7.HANDLING AND STORAGE]**

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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.

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

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**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/m<sup>3</sup>

as Mn : 0.2mg/m<sup>3</sup>

Dust : 10mg/m<sup>3</sup>(Inhalable particulate)

3mg/m<sup>3</sup>(Respirable particulate)

OSHA : PEL : as Mn : (C) 5mg/m<sup>3</sup>

Dust : 5mg/m<sup>3</sup>(Respirable fraction)

15mg/m<sup>3</sup>(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

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

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APPEARANCE : Magenta 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



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**SOLUBILITY**

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

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**[10.REACTIVITY AND STABILITY]**

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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

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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	: 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

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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.



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**[14.TRANSPORTATION INFORMATION]**

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	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

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**[15.REGULATORY INFORMATION]**

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

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**[16.OTHER INFORMATION]**

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REFERENCES : None

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