



MATERIAL SAFETY DATA SHEET

[1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : CLX-R838XK, R838XC, R838XM, R838XY
 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]

Ingredients	CAS No.	Proportion
Aluminum cylinder		>97%
Binder resin		<1%
Photosensitive material		<1%
Pigment		<1%

[3.HAZARDS IDENTIFICATION]

EMERGENCY OVERVIEW : Green, odorless and solid cylinder, None hazardous product
 POTENTIAL HEALTH EFFECTS : Based on animal testing, this product is presumed to be no health effects.

[4.FIRST-AID MEASURES]

EYES : No eye contact in normal use. If exposed to the dust of photoconductive layer, flush eyes with water. Get medical attention, if feels irritation.
 SKIN : None treatment is required. If exposed to much of the dust of photoconductive layer, wash out with water
 INGESTION : No Ingestion in normal use. If swallowed the dust of photoconductive layer, induce vomiting as much as possible. Get medical attention if feels something bad.
 INHALATION : None Inhalation in normal use. If exposed to much of the dust of photoconductive layer, get medical attention if cough or other symptoms develop.

[5.FIRE-FIGHTING MEASURES]

FLAMMABLE PROPERTIES : Not applicable
 FLASH POINT : Not applicable
 FLAMMABLE LIMITS
 LFL : Not applicable
 UFL : Not applicable
 EXTINGUISHING MEDIA : CO2, Dry chemical, Foam or Water
 FIRE-FIGHTING EQUIPMENT : Suitable personal protective equipment



[6.ACCIDENTAL RELEASE MEASURES]

PERSONAL PRECAUTIONS : None required under normal use.
ENVIRONMENTAL PRECAUTIONS : None required under normal use.
METHODS FOR CLEANING UP : Collect. No special precautions required in collection.

[7.HANDLING AND STORAGE]

HANDLING : No special precaution. Do not touch the photoconductive layer directly, expose to organic solvent vapor or sunlight to prevent degradation.
STORAGE : Store in normal temperature, normal humidity and dark place. Avoid dew condensation, organic solvent vapor.

[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]

OCCUPATIONAL EXPOSURE LIMIT : ACGIH Not established.
OSHA Not established.

ENGINEERING MEASURES : Not required.
PERSONAL PROTECTIVE EQUIPMENT :
RESPIRATORY PROTECTION : None required.
EYE PROTECTION : Use safety glass.
SKIN PROTECTION : No precautions.

[9.PHYSICAL AND CHEMICAL PROPERTIES]

APPEARANCE AND ODOR : Green, odorless and solid cylinder.
ODOR : Odorless
BOILING POINT : Not applicable
VAP PRESS : Not applicable
VAP DENSITY : Not applicable
SP. GRAVITY : 2.7
SOL IN WATER : Insoluble
SOL IN OTHER SOLVENT : Photoconductive layer is soluble in organic solvent like Tetrahydrofuran.

[10.REACTIVITY AND STABILITY]

STABILITY : Stable
HAZARDOUS DECOMPOSITION PRODUCTS : None
HAZARDOUS POLYMERIZATION : None

[11.TOXICOLOGICAL INFORMATION]

ACUTE TOXICITY : oral (rat) LDLo > 2,000mg/kg (Photoconductive layer)
skin (rabbit) LD50 not available
SKIN IRRITATION : No skin irritation was noted in the two week rat dermal toxicity study. (Photoconductive layer)



EYE IRRITATION	: Reversible and minimally eye irritation potential to the eyes of rabbits. (Photoconductive layer)
SENSITIZATION	: Not available
CHRONIC TOXICITY	: Not available
MUTAGENICITY	: Negative in the Ames test.1) (Photoconductive layer)
CARCINOGENICITY	
IARC	: Not available
ACGIH	: Not available
NTP	: Not available
REPRODUCTIVE TOXICITY	: Not available

[12.ECOLOGICAL INFORMATION]

No data available

[13.DISPOSAL CONSIDERATIONS]

Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

[14.TRANSPORTATION INFORMATION]

HAZARD CLASS	: None allocated.
UN NO.	: None

[15.REGULATORY INFORMATION]

TSCA: This product do not fall in the category of the regulations and orders of section 6 and 7 of TSCA (Toxic Substance Control Act).

[16.OTHER INFORMATION]

No specific notes.