



# MATERIAL SAFETY DATA SHEET

## [1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : DK4000K, DK4000Y, DK4000C, DK4000M  
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



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**[6.ACCIDENTAL RELEASE MEASURES]**

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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.

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**[7.HANDLING AND STORAGE]**

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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.

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

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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.

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

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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.

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**[10.REACTIVITY AND STABILITY]**

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

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**[11.TOXICOLOGICAL INFORMATION]**

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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)



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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

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[12.ECOLOGICAL INFORMATION]

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No data available

[13.DISPOSAL CONSIDERATIONS]

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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]

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HAZARD CLASS	: None allocated.
UN NO.	: None

[15.REGULATORY INFORMATION]

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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]

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No specific notes.