



# MATERIAL SAFETY DATA SHEET

## [1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : DK4550  
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 : No inhalation in normal use. If exposed to 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 : CO<sub>2</sub>, 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.



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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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<b>OCCUPATIONAL EXPOSURE LIMIT:</b>	ACGIH OSHA	Not established. Not established.
<b>ENGINEERING MEASURES:</b>	Not required.	
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>		
<b>RESPIRATORY PROTECTION:</b>	None required.	
<b>SKIN PROTECTION:</b>	No precautions.	
<b>EYE PROTECTION:</b>	Use safety glass.	

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

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

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**[10.REACTIVITY AND STABILITY]**

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<b>STABILITY:</b>	Stable
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None
<b>HAZARDOUS POLYMERIZATION:</b>	None

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**[11.TOXICOLOGICAL INFORMATION]**

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**ACUTE TOXICITY:** oral (rat) LD<sub>50</sub> >2,000mg/kg<sup>1)</sup> (Photoconductive layer)  
skin (rabbit) LD<sub>50</sub> not available

**SKIN IRRITATION:** No skin irritation was noted in the two week rabbit dermal toxicity study.<sup>2)</sup>  
(Photoconductive layer)

**EYE IRRITATION:** Reversible and minimally eye irritation potential to the eyes of rabbits.<sup>3)</sup>  
(Photoconductive layer)

**SENSITIZING:** Not available.

**CHRONIC TOXICITY:** Not available.

**MUTAGENICITY:** Negative in the Ames test.<sup>4)</sup> (Photoconductive layer)

**CARCINOGENICITY:** IARC; , ACGIH; , NTP; Not available.

**REPRODUCTIVE TOXICITY:** Not available.

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**[12.ECOLOGICAL INFORMATION]**

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No data available.



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[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).

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[14.TRANSPORTATION INFORMATION]

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UN Haz. Class:                                  None allocated  
UN No.:    None

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[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).

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[16.OTHER INFORMATION]

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MSDS STATUS: No special notes.