

# Panasonic Communications Co., Ltd.

## Office Network Company

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# Material Safety Data Sheet

Page: 1 of 4

MSDS No.: 021-000773

Date : 7 July, 2006

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### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

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PRODUCT NAME : Yellow Toner Cartridge for Panasonic Digital Color Imaging System, Model DP-213

PRODUCT No. : DQ-TUT14Y, DQ-TUT05Y

CONTACT : Panasonic Testing Center  
Winsbergring 15 / 22525 Hamburg Germany  
Tel: +49-(0)40-85383-590

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### SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENTS	CAS #	PROPORTION (% by wt.)	EC #	SYMBOLS	R PHRASE
Styrene/butylacrylate copolymer		60 - 70		None	None
Polyethylene		1 - 10		None	None
Yellow pigment		1 - 10		None	None
Amorphous silica		1 - 10		None	None
Titanium dioxide		< 1		None	None
Mn-Mg-Sr ferrite Powder		10 - 20		None	None

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### SECTION 3 HAZARDOUS IDENTIFICATION

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ADVERSE HUMAN HEALTH EFFECTS :

There are no significant hazards associated with this Product.

PHYSICAL AND CHEMICAL HAZARDS :

There are no significant hazards associated with this Product.

ENVIRONMENTAL EFFECTS :

There are no significant hazards associated with this Product.

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### SECTION 4 FIRST AID MEASURES

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EYE CONTACT : Flush with a large amount of water for at least 15 minutes. Seek medical advice.

SKIN CONTACT : Wash with soap and water.

INGESTION : Rinse mouth with Water. Give several glasses of water to drink and seek medical advice.

INHALATION : Remove from exposure and provide fresh air. Rinse mouth with water.

**SECTION 5 FIRE FIGHTING MEASURES**

SPECIFIED METHOD : In case of fire use extinguishing media.  
When in a machine, treat as an electrical fire.

EXTINGUISHING MEDIA : Water spray, Foam, Dry, chemicals, CO<sub>2</sub>

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Shut off ignition sources. For small spills, sweep up or soak up with damp cloth.  
For large spills, wear proper protective equipment and place waste material  
in closed container.  
Dispose of in accordance with national and local regulations.

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**SECTION 7 HANDLING AND STORAGE**

HANDLING : Do not incinerate toner or a toner cartridge.  
Do not disassemble a cartridge.

STORAGE : Keep in cool, and dry and well-ventilated area.  
Keep out of reach of children.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

CONTROL PARAMETER ACGIH TLV(2004): 10mg/m<sup>3</sup>(Total)  
3mg/m<sup>3</sup>(Respirable)

PRECAUTIONARY MEASURES :  
None required when used as intended in PCC equipment.  
For use other than normal customer operating procedures (such  
as in bulk toner processing facilities), local exhaust ventilation  
may be required.

PERSONAL PROTECTIVE EQUIPMENT :  
None required when used as intended in PCC equipment.  
For use other than normal customer operating procedures (such  
as in bulk toner processing facilities), protective gloves,  
goggles and respirators may be required.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE / ODOR : Yellow powder / Faint Odor

BOILING POINT (°C): Not applicable

Volatile (%) : Not applicable

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1

SOLUBILITY IN WATER : Negligible

VAPOR PRESSURE : Not applicable

SOFTENING POINT (°C): 85-100°C

INITIAL BOILING POINT (°C): Not applicable

OTHER DATA : None

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**SECTION 12 ECOLOGICAL INFORMATION**

BIODEGRADABILITY : Not available.

BIOACCUMULATION : Not available.

ACUTE TOXICITY : 96hours LC50 : >500mg/L<sup>1)</sup> (practically non-toxic)  
48hours EC50(daphnia): >100mg/L<sup>1)</sup> (practically non-toxic)

OTHER INFORMATION : None

1) This information is based on toxicity data for similar materials and ingredients.

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**SECTION 13 DISPOSAL CONSIDERATION**

Dispose of in accordance with national and local regulations.

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**SECTION 14 TRANSPORT INFORMATION**

Transport in accordance with national and local regulations.

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**SECTION 15 REGULATORY INFORMATION**

CLASSIFICATION and LABELLING ACCORDING TO EU DIRECTIVES :  
CLASSIFICATION : Not classified as hazardous.

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**SECTION 16 OTHER INFORMATION**

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

REFERENCES :

- 1: ◆ IARC Monographs on the Evaluation Carcinogenic Risks to Humans(WHO. International Agency for Research on Cancer)
    - ◆ National Toxicology Program(NTP)Report on Carcinogens(NTP)
    - ◆ TLVs and BEIs (American Conference of Governmental Industrial Hygienists)
    - ◆ Council Directive 67/548/EEC on the approximation of the laws, regulations, and administrative provisions relating to the classification, packing and labelling of dangerous substances;Annex1(EU)
    - ◆ Journal of Occupational Health(Japan Society for Occupational Health)
  - 2: ◆ Council Directive 67/548/EEC on the approximation of the laws, regulations, and administrative provisions relating to classification, packing and labelling of dangerous substances; Annex1(EU)
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