

# Material Safety Data Sheet

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MSDS No.: 021-001211

Date of issue : 24 March, 2010

Revised : \_\_\_\_\_

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

PRODUCT NAME : Toner Cartridge for Panasonic Multi-Function Printer, Model KX-MB2000 series  
PRODUCT NUMBER : KX-FAT411X, KX-FAT411E

PRODUCT NAME : Drum Cartridge for Panasonic Multi-Function Printer, Model KX-MB2000 series  
PRODUCT NUMBER : KX-FAD412X, KX-FAD412E

PRODUCT NAME : Toner Cartridge for Panasonic Multi-Function Printer, Model DP-MB300 series  
PRODUCT NUMBER : DQ-TCB008-X, DQ-TCB008-E

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## SECTION 2 HAZARDOUS IDENTIFICATION

### MOST IMPORTANT HAZARDS AND EFFECTS

#### GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARD : Not classified

#### HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Not classified  
ACUTE TOXICITY (Dermal) : Not classified  
ACUTE TOXICITY (Inhalation) : Not applicable (Vapours)  
SKIN CORROSION / IRRITATION : Classification not possible  
SERIOUS EYE DAMAGE / EYE IRRITATION : Classification not possible  
RESPIRATORY SENSITIZATION : Classification not possible  
SKIN SENSITIZATION : Classification not possible  
GERM CELL MUTAGENICITY : Classification not possible  
CARCINOGENICITY : Category 2  
REPRODUCTIVE TOXICITY : Classification not possible  
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY  
- SINGLE EXPOSURE : Classification not possible  
- REPEATED EXPOSURE : Category 1(lung)  
ASPIRATION HAZARD : Classification not possible

#### ENVIRONMENTAL HAZARDS

##### HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE TOXICITY : Classification not possible  
- CHRONIC TOXICITY : Classification not possible

#### GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Danger

HAZARD STATEMENTS : Suspected of causing cancer  
Causes damage to organs through prolonged or repeated exposure (lung)

PRECAUTIONARY STATEMENTS

PREVENTION : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
If needed, use personal protective equipment as required.

RESPONSE	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Gently wash with plenty of soap and water. IF exposed or concerned: Get medical attention/advice.
STORAGE	: Store locked up. Protect from sun. Store in a well-ventilated room (under 40 C).
DISPOSAL	: Passed to a licensed waste contractor.
SAFE HANDLING ADVICE :	

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**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**


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SUBSTANCE OR MIXTURE	: Mixture				
	PROPORTION				
<u>INGREDIENTS</u>	<u>CAS #</u>	<u>(% by wt.)</u>	<u>EC #</u>	<u>SYMBOLS</u>	<u>R PHRASE</u>
• Polyester resin	Confidential	Confidential		None	None
• Carbon black	1333-86-4	Confidential	215-609-9	None	None
• Other components		Confidential		None	None

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**SECTION 4 FIRST AID MEASURES**


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IN CASE OF INHALATION	: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
IN CASE OF SKIN CONTACT	: Gently wash with plenty of soap and water. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
IN CASE OF EYE CONTACT :	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.
IN CASE OF INGESTION	: IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.

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**SECTION 5 FIRE FIGHTING MEASURES**


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EXTINGUISHING MEDIA	: Water spray, powder
NOT SUITABLE EXTINGUISHING MEDIA	: No information available
SPECIFIC HAZARDS	: May produce irritating or toxic gases in a fire.
SPECIFIC METHODS	: Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
PROTECTION OF FIRE FIGHTERS	: Use goggles in combination with dust mask, and another protections as appropriate to situation.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**


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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE	: Use mask, goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation. Treat from upwind position.
ENVIRONMENTAL PRECAUTIONS METHODS FOR CLEANING UP	: Do not discharge into the drains, surface waters or ground water directly Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.
PREVENTION OF SECONDARY HAZARD!	: No information available

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**SECTION 7 HANDLING AND STORAGE**


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HANDLING	
TECHNICAL MEASURES	: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
PRECAUTIONS	: Avoid inhalation of fine dust .
SAFE HANDLING ADVICE	: Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. This material may cause risk of dust explosion.

STORAGE  
SUITABLE STORAGE CONDITIONS : Keep container tightly closed.  
Protect from sun. Store in a well-ventilated room (under 40°C).  
Store locked up.  
SAFE PACKAGING MATERIALS : No information available

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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ENGINEERING MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Use local exhaust ventilation, in case of generation of dust.

LIMIT VALUES  
ACGIH (TLV) : 3.5 mg/m<sup>3</sup> TWA  
Carbon black  
10 mg/m<sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m<sup>3</sup> TWA (respirable particles, recommended)(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))

OSHA (PEL) : 3.5 mg/m<sup>3</sup> TWA  
Carbon black  
15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)  
(Particulates not otherwise regulated)

PERSONAL PROTECTIVE EQUIPMENT  
RESPIRATORY PROTECTION : Use dust mask, as appropriate to situation.  
HAND PROTECTION : Rubber gloves  
EYE PROTECTION : Safety glasses with side shield(Safety goggles or Face shield)  
SKIN AND BODY PROTECTION : Full-body suit  
HYGIENE MEASURES : No information available

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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PHYSICAL STATES  
FORM : Pulverizing powder  
COLOUR : Black  
ODOUR : Odourless  
pH : No data available

SPECIFIC TEMPERATURES / TEMPERATURE RANGES  
AT WHICH CHANGES IN PHYSICAL STATE OCCUR  
BOILING POINT : No information available  
MELTING POINT : No information available  
FLASH POINT : No data available

FLAMMABILITY OR EXPLOSIVE PROPERTIES  
FLAMMABILITY OR EXPLOSIVE LIMITS : UPPER LIMIT : No information available  
LOWER LIMIT : No information available

VAPOUR PRESSURE : No information available  
VAPOUR DENSITY : No information available  
SPECIFIC GRAVITY (DENSITY) : 1.2 g/mL ( 20 °C) ( 68 °F)

SOLUBILITY  
WATER SOLUBILITY : Insoluble  
SOLVENT SOLUBILITY : Partially soluble in toluene, chloroform and tetrahydrofuran.

PARTITION COEFFICIENT: n-  
OCTANOL / WATER (log Pow) : No information available

AUTO-IGNITION TEMPERATURE : No information available  
DECOMPOSITION TEMPERATURE : No information available  
ODOUR THRESHOLD : No information available  
EVAPORATION RATE : No information available  
FLAMMABILITY (SOLID,GAS) : No information available  
VISCOSITY : No information available  
OTHER DATA : No information available

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**SECTION 10 STABILITY AND REACTIVITY**

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CHEMICAL STABILITY : Stable in general.  
 POSSIBILITY OF HAZARDOUS REACTIONS : Stable.  
 CONDITIONS TO AVOID : No information available  
 INCOMPATIBLE MATERIALS : No information available  
 HAZARDOUS DECOMPOSITION PRODUCTS : No information available  
 OTHERS : No information available

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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ACUTE TOXICITY

Oral

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 10% of the mixture consists of ingredients of unknown toxicity.

Dermal

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available  
 13% of the mixture consists of ingredients of unknown toxicity.

Inhalation

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

RESPIRATORY OR SKIN SENSITIZATION

RESPIRATORY

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

SKIN

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

CARCINOGENICITY

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : Carbon black: Category 2; Ref.(1)

IARC : Group 2B : Possibly carcinogenic to humans.  
           Carbon black  
           Group 3 : Not classifiable as to its carcinogenicity to humans  
           Polytetrafluoroethylene

NTP : Not listed

EU : Not listed

OSHA : Not listed

REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY

- SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

- REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : Carbon black: Category 1 (lung); Ref.(1)

ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available  
 INFORMATION ON INGREDIENTS : No information available

OTHER INFORMATION

: No information available

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**SECTION 12 ECOLOGICAL INFORMATION**

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ECOTOXICITY : No information available  
PERSISTENCE / DEGRADABILITY : No information available  
MOBILITY IN SOIL : No information available  
BIOACCUMULATIVE POTENTIAL : No information available  
OTHER ADVERSE EFFECTS : No information available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Review "HANDLING AND STORAGE (Section 7)".  
Passed to a licensed waste contractor.  
This product may cause risk of dust explosion.  
Dispose of waste in accordance with local, state and federal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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Follow all regulations in your country or region  
INTERNATIONAL REGULATIONS  
UN CLASS / UN NUMBER : Not applicable  
SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".  
Review "HANDLING AND STORAGE (Section 7)".  
Ensure containers without breakage or leakage.  
Ensure containers tightly fixed.  
Follow all regulations in your country or region.  
Avoid heating(keep under 40 C).

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**SECTION 15 REGULATORY INFORMATION**

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Follow all regulations in your country or region.  
INVENTORIES : ENCS(Japan) Yes  
TSCA(USA) Yes  
EINECS(EU) No(ELINCS)  
AICS(Australia) Yes  
DSL(Canada) No(NDSL)  
ECL(Korea) Yes  
PICCS(Philippines) Yes  
IECSC(China) Yes

Panasonic System Networks Co., Ltd. is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

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**SECTION 16 OTHER INFORMATION**

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REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)  
REFERENCE :  
-International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)  
(1)GHS Classification Database, National Institute of Technology and Evaluation (NITE)

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