Material Safety Data Sheet

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME : Black Toner for Panasonic Laser Fax
Drum Unit / KX-FA84, KX-FA84A, KX-FA84A7, KX-FA84E, KX-FA84E-CN, KX-FA84X

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE OR MIXTURE : Mixture
INGREDIENTS AND CONCENTRATION RANGE
Ingredients
Black toner

INGREDIENTS CONTRIBUTING TO THE HAZARD (JAPAN) : None

SECTION 3 HAZARDOUS IDENTIFICATION

MOST IMPORTANT HAZARDS
ADVERSE HUMAN HEALTH EFFECTS : To the best of our investigation, no special hazards have to be mentioned.
ENVIRONMENTAL EFFECTS : To the best of our investigation, no information about adverse effects in the environment available.
PHYSICAL AND CHEMICAL HAZARDS : This material is not dangerous in case of usual handling. May cause risk of dust explosion.
CLASS NAME FOR MSDS IN JAPAN : Not applicable

SECTION 4 FIRST AID MEASURES

IN CASE OF INHALATION : Remove person to fresh air. If necessary seek medical attention.
IN CASE OF SKIN CONTACT : Wash material off the skin with plenty of water and soap. If necessary seek medical attention.
IN CASE OF EYE CONTACT : Immediately hold eyelids open and flush with a stream of water at least 15 minutes. If necessary seek medical attention.
IN CASE OF INGESTION : Seek medical attention. Never give anything by mouth to an unconscious person. If possible, rinse out mouth and give one or two glasses of water or milk to drink.
SECTION 5  FIRE FIGHTING MEASURES

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.

SECTION 6  ACCIDENTAL RELEASE MEASURES

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

SECTION 7  HANDLING AND STORAGE

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 : Handle in well-ventilated areas.
Use safety glasses and protective gloves as appropriate to situation.
Wash hands and face, and gargle after handling.
Prevent generation of dust.
This material may cause risk of dust explosion.

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

SECTION 8  EXPOSURE CONTROLS / PERSONAL PROTECTION

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/m³ TWA
Carbon black
OSHA (PEL) : 3.5 mg/m³ TWA
Carbon black

PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION : Dust respirator
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
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATES
  FORM : Pulverizing powder
  COLOUR : Black
  ODOR : Odourless
  pH : Not applicable

SPECIFIC TEMPERATURES / TEMPERATURE RANGES AT WHICH CHANGES IN PHYSICAL STATE OCCUR
  BOILING POINT : No data available
  MELTING POINT : No data available
  DECOMPOSITION TEMPERATURE : No data available
  FLASH POINT : Not applicable
  AUTOIGNITION TEMPERATURE : No data available

EXPLOSION PROPERTIES
  EXPLOSION : UPPER LIMIT: No data available   LOWER LIMIT: No data available
  VAPOUR PRESSURE : No data available
  VAPOUR DENSITY : No data available
  DENSITY : 1.2 g/mL ( °C ) ( °F )

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

OCTANOL / WATER PARTITION COEFFICIENT : No data available

OTHER DATA : No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY : Stable in general.

HAZARDOUS REACTIONS : Stable.

CONDITIONS TO AVOID : No information available

MATERIALS TO AVOID : No information available

HAZARDOUS DECOMPOSITION PRODUCTS : No information available

OTHERS : No information available

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : No information available

LOCAL EFFECTS
  CORROSIVITY : No information available
  SKIN IRRITATION : No information available
  EYE IRRITATION : No information available

SENSITIZATION : No information available

CHRONIC TOXICITY / LONG TERM TOXICITY : No information available

CARCINOGENICITY
  IARC : Group 2B : Possibly carcinogenic to humans. Carbon black
  NTP : Not established
  EU : Not established
  OSHA : Not established

MUTAGENICITY : No information available

REPRODUCTIVE TOXICITY : No information available

OTHER DATA : No information available
SECTION 12 ECOLOGICAL INFORMATION

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SECTION 13 DISPOSAL CONSIDERATIONS

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.

SECTION 14 TRANSPORT INFORMATION

Follow all regulations in your country or region
UN CLASS / UN NUMBER : Not applicable
PRECAUTIONS : 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 40ºC).

SECTION 15 REGULATORY INFORMATION

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.

SECTION 16 OTHER INFORMATION

REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)

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The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.