

Product Use For Panasonic Communications Co., Ltd.

Toner Cartridge KX-FA85, KX-FA87, KX-FAT92 & Drum unit
KX-FA86, KX-FAD93 for KX-FLB851, KX-FLB801, KX-FLB811,
KX-FLB881, KX-MB781, KX-MB271 series



Material Safety Data Sheet

Effective Date: 07-12-2005

Supersedes: 07-12-2005

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME PFIA 1003ZA
MSDS ID J00030
CHEMICAL FAMILY Black toner

MANUFACTURER
Kao Corporation
1-3, Bunka 2-chome, Sumida-ku
Tokyo, Japan 131-8501
Phone: 011-81-3-5630-7700

DISTRIBUTOR
Kao Specialties Americas LLC
243 Woodbine Street
P. O. Box 2316
High Point, NC 27261
Telephone: 1-336-884-2214

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER
Carbon black	1333-86-4

If this table is blank, then this product does not contain any regulated substances.

• See Section VIII for exposure guidelines and Section XV for State Right to Know Information

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

APPEARANCE:

ODOR:

Avoid generation of airborne dust.

Black powder

Odorless

Hazardous Material Identification System (HMIS) Rating:

HEALTH	1	FLAMMABILITY	0
REACTIVITY	0	PERSONAL PROTECTION	D

Potential Health Effects

Eye	Dust or powder may irritate eye tissue.
Skin Contact	Dust or powder may irritate the skin.
Ingestion	Low toxicity.
Inhalation	Inhalation of dusts of this product may result in shortness of breath, limitation of chest expansion, dry cough, and a lessened capacity for work.
Target Organs	No known effects.
Chronic Effects:	
Carcinogenicity:	See Section XI.

IV. FIRST AID MEASURES

EYES:
Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

SKIN:
For skin contact, wash immediately with soap and water. If necessary, seek medical attention.

INGESTION:
If the material is swallowed, get immediate medical attention or advice.

INHALATION:
If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

NOTES TO PHYSICIAN:
Provide general supportive measures and treat symptomatically.

V. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT:	Not applicable
METHOD:	Not applicable
UPPER FLAMMABLE LIMIT:	Not applicable
LOWER FLAMMABLE LIMIT:	Not applicable
FLAMMABILITY CLASSIFICATION:	Not evaluated

HAZARDOUS PRODUCTS OF COMBUSTION: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

PROPERTIES THAT COULD INCREASE FIRE OR EXPLOSION HAZARD:
No known hazards.

EXTINGUISHING MEDIA:
Foam (preferred), dry chemical, water.

FIRE FIGHTING INSTRUCTIONS:
Firefighters should wear full protective clothing including self-contained breathing apparatus.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:

Health	1	Flammability	0
Reactivity	0	Special	

VI ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

SMALL SPILL

Containment Techniques: Contain by any means necessary.
Cleanup Procedures: Vacuum up the spilled material. Place in properly labeled closed container.
Equipment: Shovel the material into waste container.
Other Emergency Advice: No other spill procedures necessary.

LARGE SPILL

Containment Techniques: Contain by any means necessary.
Cleanup Procedures: Vacuum up the spilled material. Place in properly labeled closed container.
Equipment: No additional information on equipment.
Other Emergency Advice: No other spill procedures necessary.

Evacuation Procedure: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering.

VII HANDLING AND STORAGE

Handling: Do not get this material in your eyes, on your skin, or on your clothing.
Storage: Keep this material in a cool, dark, well-ventilated place.

VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear chemical goggles or face shield with safety glasses.
HAND PROTECTION: Use impervious gloves.
SKIN PROTECTION: Normal work clothing (long sleeved shirts and long pants) is recommended.
RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS:

CHEMICAL NAME	CAS #	PERCENT	LIMITS	AGENCY
Carbon black	1333-86-4	3 - 5.5	3.5 mg/m ³ TWA	OSHA
Carbon black	1333-86-4	3 - 5.5	3.5 mg/m ³ TWA	ACGIH
Paraffin wax	8002-74-2	0 - 2	2 mg/m ³ TWA (fume)	ACGIH

The following components are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

Component	CAS #	Percent	Minimum Concentration
Carbon black	1333-86-4	3 - 5.5	1 % (English Item 309, French Item 1271)

IX PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine, black powder
ODOR: No odor
SOLUBILITY IN WATER: Insoluble
pH: No information available
SPECIFIC GRAVITY: 1.2
FREEZE POINT (DEGREES C): No data available
MELTING POINT (DEGREES C): No data available

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions.
 CONDITIONS TO AVOID: None known
 HAZARDOUS DECOMPOSITION: None known.
 PRODUCTS:
 HAZARDOUS POLYMERIZATION: Will not occur.

XI. TOXICOLOGICAL INFORMATION**ACUTE EFFECTS**

EYE EFFECTS: Dust or powder may irritate eye tissue.

SKIN EFFECTS: Dust or powder may irritate the skin.

ACUTE ORAL EFFECTS (INGESTION): Low toxicity.

ACUTE INHALATION EFFECTS: Inhalation of dusts of this product may result in shortness of breath, limitation of chest expansion, dry cough, and a lessened capacity for work.

SUBCHRONIC EFFECTS: No known effects.

CHRONIC EFFECTS

TERATOLOGY: No data available for this product.
 REPRODUCTIVE AND DEVELOPMENTAL TOXICITY: No information available.

CARCINOGENICITY

CHEMICAL NAME	DATA	AGENCY
None of the components of this product are listed on the NTP Known or Suspected Carcinogens Lists.		
Carbon black	GROUP 2B (Possible Carcinogen)	IARC (Monograph 65, 1996)
Silica, amorphous	GROUP 3 (Not Classifiable)	IARC (Monograph 68, 1997)
Carbon black Carbon black	Possible Select Carcinogens A4 - Not Classifiable as a Human Carcinogen	OSHA (Present) ACGIH
Polytetrafluoroethylene	Group 3 (Not Classifiable)	IARC (Supplement 7, 1987; Monograph 19, 1979)

ACUTE ORAL TOXICITY

LD50 ORAL for Product: No information available
 LD50 for ingredients: No data available

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No information available.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

OTHER TOXICOLOGICAL INFORMATION:

XII. ECOLOGICAL INFORMATION

AQUATIC TOXICITY	No additional information available
ECOTOXICOLOGICAL INFORMATION	None determined
ENVIRONMENTAL INFORMATION	No data available for this product.
BIOLOGICAL OXYGEN DEMAND (BOD5), g/g	No data available
CHEMICAL OXYGEN DEMAND (COD), g/g	No data available

XIII. DISPOSAL CONSIDERATIONS

Waste Description:	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
General Disposal Considerations:	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
Disposal of Empty Container / Container Rinsate:	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
RCRA Component	CAS Number Data
No limits established for this product.	

XIV. TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name	Non-hazardous material
Shipping Name, if RQ shipment	Not applicable
Reportable Quantity (RQ lbs)	No reportable quantity for this product

INTERNATIONAL INFORMATION

	PROPER SHIPPING NAME
IMO	Non-hazardous material
IATA/ICAO	Non-hazardous material
Marine Pollutant	None

XV. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT: This product is listed on the U.S. EPA TSCA Inventory.

TSCA EXPORT NOTIFICATION: No limits established for this product.

INTERNATIONAL CHEMICAL INVENTORIES:

All of the components of this product are listed on the following chemical inventories:

DSL (Canada)	No (NDSL)
ENCS (Japan)	Yes
EINECS (Europe)	No (ELINCS)
PICCS (Phillipines)	No
ECL (Korea)	Yes
AICS (Australia)	Yes

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT TITLE III;

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW, PER 40 CFR 355, APP. A:

EHS Components	CAS Number	Percent	TPQ lbs and RQ
No limits established for this product.			

313 Components	CAS Number	Percent	Reporting Limit
No limits established for this product.			

CERCLA/SARA Components	CAS Number	Percent	Reporting Limit
No limits established for this product.			

SECTION 311/312 CLASSIFICATION:

Acute:	No
Chronic:	No
Fire:	No
Pressure:	No
Reactive:	No

OTHER FEDERAL REGULATIONS

The following chemical components are identified under the Clean Air Act HON-Rule for SOCM:

Chemicals:	CAS Number
Chemical Name	
No regulated components	

The following chemical components are identified under the Clean Air Act (VOC's in SOCM):

Chemical Name	CAS Number
No regulated components	

The following chemical components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP's):

Chemical Name	CAS Number
No regulated components	

The following chemical components are identified under the Clean Air Act as HON-Rule Hazardous Air Pollutants (HAP's):

Chemical Name	CAS Number
No regulated components	

The following chemical components are identified under the Clean Water Act :

Chemical Name	CAS Number	List Name
No limits established for this product.		

STATE RIGHT TO KNOW INFORMATION:

The components of this product are listed on the following State Right to Know Lists:

COMPONENT NAME	CAS #	STATE LIST
Carbon black	1333-86-4	California Proposition 65 Carcinogens List
Carbon black	1333-86-4	Massachusetts-RTK List
Paraffin wax fume	8002-74-2	Massachusetts-RTK List
Amorphous silica	7631-86-9	Massachusetts-RTK List

Carbon black	1333-86-4	New Jersey-RTK List
Silica, amorphous	7631-86-9	New Jersey-RTK List
Carbon black	1333-86-4	Pennsylvania-RTK List
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Pennsylvania-RTK List
Silica, amorphous	7631-86-9	Pennsylvania-RTK List
Polytetrafluoroethylene	9002-84-0	Pennsylvania - RTK List

XVI. ADDITIONAL INFORMATION

Harmonized Tariff Number: Not evaluated

The information below is believed to be accurate but is not warranted to be, whether origination with the manufacturer, or not. Recipients are advised to confirm in advance that the information is current and applicable to their situation. No warranty is expressed or implied. Since conditions of use are beyond the manufacturer's control, user assumes all risk and responsibility.

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