

## Product Use for Panasonic Communications Co., Ltd.:

Toner Kit KX-FA83 , KX-FA83A , KX-FA83E , KX-FA83X &  
Drum Kit KX-FA84 , KX-FA84A , KX-FA84E , KX-FA84X  
for KX-FL511 , KX-FL541 , KX-FL611 series



# Kao Corporation

## SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

PFIA1002ZA

### 1. Identification of the substance/preparation and of the company/undertaking

Product name : PFIA1002ZA  
Code : KJ10104602 / 2 /  
Manufacturer : Kao Corporation  
1-3, Bunka 2-Chome, Sumida-ku, Tokyo 131-8501 - JAPAN  
Tel. +81 3 6630 7700 . Fax +81 3 6630 7899  
Supplier : Kao Corporation  
1-3, Bunka 2-Chome, Sumida-ku, Tokyo 131 JAPAN  
Tel. +81 3 6630 7700 . Fax +81 3 6630 7899  
Emergency telephone number : (+81) 3 6630-7700  
Material uses : TONERS FOR PHOTOGRAPHIC PAPER

### 2. Composition/information on ingredients

Substance/preparation : Preparation

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients, in accordance with EU or national regulations.

### 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1989/46/EEC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

### 4. First aid measures

#### First aid measures

#### Inhalation

: Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Ingestion

: Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

- Extinguishing media** :
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions and clean-up methods** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

- Packaging materials**
- Recommended** : Use original container.

## 8. Exposure controls/personal protection

### Exposure controls

- Occupational exposure controls** : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Recommended: disposable particulate mask
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- >8 hours (breakthrough time): butyl rubber
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Recommended: splash goggles, safety glasses with side-shields
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Body: Recommended, overall, lab coat

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	(20°C) : Solid. (Powder.)
<b>Color</b>	: Black.
<b>Odor</b>	: Odorless.
<b>Flash point</b>	: The lowest known value is Closed cup: >289°C (552.2°F). (CARNAUBA WAX)
<b>Explosive properties</b>	: Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.
<b>Density</b>	: 1.2 g/cm <sup>3</sup> (20 °C)
<b>Solubility</b>	: Insoluble in cold water.

## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Hazardous decomposition products</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ).

## 11. Toxicological information

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin contact</b>	: No known significant effects or critical hazards.
<b>Contact sensitisation</b>	: No specific information is available in our database regarding the other toxic effects of this material to humans.
<b>Eye contact</b>	: No known significant effects or critical hazards.

### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
PPIA1002ZA	LD50	>2500 mg/kg	Oral	Rat
Carbon black	LD50	>15400 mg/kg	Oral	Rat

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: No known significant effects or critical hazards.
<b>Other information</b>	: May cause mechanical irritation (CARNAUBA WAX)

### Over-exposure signs/symptoms

<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.

## 12. Ecological information

<b>Other adverse effects</b>	: No known significant effects or critical hazards.
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## 13. Disposal considerations

<b>Methods of disposal</b>	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
<b>Hazardous waste</b>	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. Transport information

### International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.					
IMDG Class	Not regulated.					
IATA-DGR Class	Not regulated.					

## 15. Regulatory information

### EU regulations

- Risk phrases : This product is not classified according to EU legislation.  
 Safety phrases : Not applicable.  
 Contains :  
 Product use : Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.  
 - Industrial applications.  
 Other information : Not available.

### Other EU regulations

- Additional warning phrases : Safety Data Sheet available for professional user on request.  
 Restrictions on the Marketing and Use Directive : Not applicable.

### Germany

- Hazardous incident ordinance : Not available.  
 Ordinance on combustible liquids : Class: Omitted  
 Technical instruction on air quality control : Class III: 0.44%  
 Hazard class for water : 2

## 16. Other information

- Indicates information that has changed from previously issued version.

- Full text of R phrases referred to in Sections 2 and 3 : Not applicable.  
 Full text of classifications referred to in Sections 2 and 3 : Not applicable.  
 Key data sources : Not available.  
 Revision comments : Not available.

### History

- Date of printing : 22/07/2005  
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 Date of previous issue : No previous validation  
 Version : 2

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Form : KCE SDS J EU

**Notice to reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

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