

# Material Safety Data Sheet

Day of Issue: 3-October-2000

## Section 1. Chemical Product and Company Identification

### Chemical Product Identification

Product Name: KK-17 Toner

Model Number: Toner Kit KX-FA76 &amp; Drum unit KX-FA77 for KX-FL501 &amp; KX-FL521 series

### Company Identification

Manufacture/Supplier: DAINIPPON INK AND CHEMICALS, INC.(DIC)

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## Section 2. Composition / Information on Ingredients

| Components            | Cas#                               | mass % |
|-----------------------|------------------------------------|--------|
| Polyester Resin       | 287105-13-9                        | >90    |
| Polyester Resin       | 287105-18-4                        |        |
| Carbon Black          | 1333-86-4                          | 4-10   |
| Wax                   | 9003-07-0                          | 1-5    |
| Metal complex Azo Dye | 109125-51-1&109125-50-0&84179-66-8 | 0.5-5  |
| Silica                | 68909-20-6                         | 1-5    |
| Rare Metal Oxide      | 1306-38-3                          | 0.5-3  |
| Total                 |                                    | 100    |

## Section 3. Hazardous Identification

### Emergency Overview:

**Black fine combustible Powder**

### Potential Acute Health Effects

Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

Ingestion: Ingestion is not applicable route of entry for intended use.

Eye Contact: May cause eye irritation.

Skin Contact: Essentially nonirritating to skin

### Potential Chronic Health Effects

Carcinogenic Effects: Carbon black has been classified as a group 2B by IARC, however, Inhalation test using a typical toner containing carbon black has not demonstrated an association between toner exposure and animal tumors.

## Section 4. First Aid Measure

Inhalation: Remove to fresh air. Treat any irritation symptomatically. Call a physician.

Ingestion: If swallowed, give water to wash in the mouth. Call a physician.

Eye Contact: Flash eyes immediately with large amounts of water until irritation subsides.

Call a physician.

Skin Contact: Immediately wash thoroughly with soap and plenty of water.

## Section 5. Fire Fighting Measures

Toner is combustible.

Flash Point: N.A.(Not applicable)

Flammable Limits: N.A.

Auto-ignition Temperature: N.A.

Extinguish Media: Carbon dioxide, foam and dry chemical powder.

Fire Fighting Instructions: Wear positive pressure self-contained breathing apparatus.  
Wear full protective clothing.

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### ***Section 6. Accidental Release Measures***

Small Spill and Leak: Sweep up and discard to a waste container.

Large Spill and Leak:

Dispose of waste in accordance with applicable federal, state and local regulations.

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### ***Section 7. Handling and Storage***

Handling: Do not contact it with eyes, skin or clothing. Wash thoroughly after handling.

Provide adequate ventilation to avoid dust.

Storage: Keep container closed. Store in cool and dark place and keep away from heat open flame and sparks.

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### ***Section 8. Exposure Controls/Personal Protection***

Exposure guideline: Not established

Engineering Controls: Use of local exhaust ventilation.

Personal Protection

Respiratory: In dusty atmospheres, use an approved dust respirator.

Eyes/Face: None(under normal use) Large exposure: Protective goggles/dust mask.

Skin: None(under normal use) Large exposure: Protective clothing and globes.

Other Protective Devices: None

| Components            | OSHA PEL              | ACGIH TLV             |
|-----------------------|-----------------------|-----------------------|
| Polyester Resin       | -                     | -                     |
| Polyester Resin       | -                     | -                     |
| Wax                   | -                     | -                     |
| Metal complex Azo Dye | -                     | -                     |
| Rare Metal Oxide      | -                     | -                     |
| Carbon Black          | 3.5mg/m <sup>3</sup>  | 3.5mg/m <sup>3</sup>  |
| Silica                | 15.0mg/m <sup>3</sup> | 10.0mg/m <sup>3</sup> |

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### ***Section 9. Physical and Chemical Properties***

Physical State and Appearance: Black and fine powder

pH: Not relevant

Boiling Point: N.A.

Softening Point: ca. 110°C

Melting / Freezing Point: N.A.

Vapor Pressure: N.A.

Volatile: N.A.

Specific Gravity: 1.1 (H<sub>2</sub>O=1)

Odor: Faint odor

Solubility in Water: No data

Solubility in Other: No data

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### ***Section 10. Stability and Reactivity***

Stability: Stable

Incompatibilities with Other Materials: None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

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***Section 11. Toxicological Information***

**Animal Data:**

Ames test : No data

Irritant effect on skin; No data

Irritant effect on eyes; No data

Acute inhalation toxicity: No data

Chronic Effects to Humans

Carcinogenic Effects: None

Other Toxic Effects on Humans: None

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***Section 12. Ecological Information***

Aquatic toxicity: N.A.

Biodegradation: N.A.

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***Section 13. Disposal Considerations***

Do not dump into sewers, on the ground or into any body of water.

Dispose of waste in accordance with applicable federal, state and local regulations.

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***Section 14. Transportation Information***

DOT Classification: None

Marine Pollutant: None

IMO / IMDG Classification: None

ICAO / IATA Classification : None

UN No.: None

Packaging Group: None

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***Section 15. Regulatory Information***

OSHA Status: None

US Federal Regulations

TSCA Status: Listed on Inventory.

EINECS: On list

CERCLA : None

SARA: None

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***Section 16. Other Information***

None

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To best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy of completeness of the information contained herein.

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