

MATERIAL SAFETY DATA SHEET(1/2)

Product Name: KX-BP081-R3

MSDS No.:

Electronic Board: KX-BP535, KX-BP635, KX-BP735, KX-BP800series Date of Issue: July 5, 2005

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

Identification of the substance or preparation:

Use of the substance/preparation:

Company/undertaking identification:

Distributor's Name: DAI NIPPON PRINTING CO., LTD.

Distributor's Address: 2-5-1, Hirosedai, Sayama, Saitama, 350-1328 JAPAN

Telephone Number: +81-42-952-9666

Emergency telephone: +81-42-952-9666

(Manufacturer)

Manufacturer's Name: DAI NIPPON PRINTING CO., LTD.

Manufacturer's Address: 2-5-1, Hirosedai, Sayama, Saitama, 350-1328 JAPAN

2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Weight % (about)	CAS.NO.	EINECS
Polyethylene terephthalate	48~ 53%	25038-59-9	---
Carbon black	7~ 10%	1333-86-4	2156099
Ester wax	4~ 7%	8015-86-9	2323994
Paraffin wax	11~ 14%	8002-74-2	2323156
Microcrystalline wax	13~ 16%	63231-60-7	2640381
Others	4~ 13%	---	---

3 HAZARDS IDENTIFICATION

No danger at normal use.

4 FIRST-AID MEASURES

In case of skin Contact: Usually special care is not necessary. If it dirty skin, clean with soap and water.

In case of eye Contact: Immediately flush eyes with plenty of water. If necessary, then care for medical attention.

Inhalation: Not applicable

Ingestion: Immediately make vomit and rinse mouth with water. If necessary, then care for medical attention.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO2, water, dry chemicals and foam.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Rumpling the product may cause the wax layer to peel off. Sweep up or vacuum.

Environmental precautions: No environmental effect at normal use.

Methods for cleaning up: When sweeping, avoid raising film or dust. If a vacuum is used, motor should be rated as dust tight. Wash any residue off skin with soap and water. Garments may be washed or dry cleaned after removal of loose film or dust.

7 HANDLING AND STORAGE

Handling: No special precautions for safety reason.

Storage: Store in cool, dry space, and avoid direct sunlight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Recommended Exposure Limits: Not applicable

Work/ Hygienic Practices: None

Personal Protection: None

Technical Protection: None

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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical appearance:

Form:	Ink is black solid .
Colour:	black
Odour:	slight odour.
Change in Physical state	
Melting Point:	About 71°C for ink
Flash Point:	About 250°C for ink
Specific Gravity(H ₂ O=1)	About 1.2
Vapor Pressure(mmHg)	Not applicable
Vapor Density(AIR=1):	Not applicable
Solubility in water:	Negligible
Evaporation Rate:	Negligible
Flammable Limits:	Not applicable
Explosion Limits:	Not applicable

10 STABILITY AND REACTIVITY

Hazardous decomposition products: CO, CO₂, NO_x and H₂O etc

Hazardous reactions: Will not occur

11 TOXICOLOGICAL INFORMATION

No health hazards under normal use conditions.

Inhalation: No

Swallow: Possible but very unusual

Skin irritation: No

Eye irritation: No

Mutagenicity: Ames Test :Negative

Carcinogenicity:

 NTI No

 IARC Monographs Carbon Black : Group 2B

 OSHA Regulated No

In 1996 the International Agency for Research on Cancer (IARC) reevaluated carbon black as a group 2B carcinogen (possible human carcinogen), based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black. The effects were observed only in animals exposed to high concentrations of carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

12 ECOLOGICAL INFORMATION

General information: No environmental effect at normal use.

13 DISPOSAL CONSIDERATIONS

Recommended Method of dispo: Dispose by the same method of ordinary plastic products in accordance with all applicable regulations. Any disposal practice must be in compliance with local, state and federal laws and regulations. If necessary, contact government office and ensure conformity with disposal regulations.

14 TRANSPORT INFORMATION

No specific precautionary transport measures for safety reasons.

Storage conditions see item 7.

15 REGULATORY INFORMATION

None

16 OTHER INFORMATION

Other information: The information herein is given in good faith, but no warranty, if used any process. Final determination of suitability of any material is the sole responsibility of the user. Although certain information is described herein, we cannot guarantee that these are the only hazard, which exist. Information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal .
