



Control NO. : RBN-PM3410-2

# Material Safety Data Sheet

**Ink Ribbon**

**For : PM3410**

**Oki Data Corporation**

# Oki Data Corporation

## SAFETY DATA SHEET

RBN-PM3410

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

Product name : PM3410  
Code : 3PB4043-2757P006  
Manufacturer : Oki Data Corporation  
4-11-22, Shibaura, Minato-ku, TOKYO, 108-8551 JAPAN  
Tel. +81-3-5445-6106. Fax +81-3-5445-6177  
Supplier : Oki (Europe) Ltd.  
1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK  
Tel. +44(0) 1236 502502  
Emergency telephone number : Tel. +44(0) 1236 502502  
Emergency e-mail contact : [MSDSQuestions@okieurope.com](mailto:MSDSQuestions@okieurope.com)

### 2. Hazards identification

#### GHS classification

##### PHYSICAL HAZARDS

Explosives : No classification  
Flammable gases : Not applicable  
Flammable aerosols : Not applicable  
Oxidizing gases : Not applicable  
Gases under pressure : Not applicable  
Flammable liquid : No classification  
Flammable solid : No classification  
Self-reactive substances and mixtures : No classification  
Self-igniting liquids : Not applicable  
Self-igniting solids : Outside category  
Self-heating substances and mixtures : No classification  
Substances and mixtures which emit flammable gases when they come in contact with water : Outside category  
Oxidizing liquids : No classification  
Oxidizing solids : No classification  
Organic peroxides : No classification  
Substances corrosive to metals : No classification

##### HEALTH HAZARDS

Acute toxicity (oral) : No classification  
Acute toxicity (dermal) : No classification  
Acute toxicity (respiratory: gases) : Not applicable  
Acute toxicity (respiratory: vapors) : No classification  
Acute toxicity (dust) : No classification  
Acute toxicity (mist) : No classification  
Skin corrosion/irritation : No classification  
Serious eye damage/irritation : No classification  
Respiratory sensitization : No classification  
Skin sensitization : No classification  
Germ cell mutagenicity : Category 2  
Carcinogenicity : Category 2  
Reproductive toxicity : No classification  
Specific target organ systemic toxicity (Single exposure) : No classification  
Specific target organ systemic toxicity (Repeated exposure) : Category 2 (lungs)  
Aspiration hazard : No classification

##### ENVIRONMENTAL HAZARDS

Acute toxicity to aquatic environment : No classification  
Chronic toxicity to aquatic environment : No classification

# RBN-PM3410

## LABEL ELEMENT

Pictogram or symbol



Signal word : warning  
Danger/toxicity information : Suspected of causing genetic defects.  
Suspected of causing carcinogenesis.  
Causes damage to internal organs(lungs)through prolonged or repeated exposure.  
Notes : Should be stored in cool, dark places.  
Wear protective gloves when required.  
Avoid ingestion.

## 3. Composition/information on ingredients

Distinction between single products and mixtures : Mixtures

Generic name : Ink ribbon

Chemical name :

| Ingredients              | Content (%)  | Chemical Substances Control Law No. | CAS No.   |
|--------------------------|--------------|-------------------------------------|-----------|
| Carbon black             | 4            | Not applicable                      | 1333-86-4 |
| Other coloring materials | Confidential |                                     |           |
| Oils                     | Confidential |                                     |           |
| Additives                | Confidential |                                     |           |
| Nylon 6-6 fabric         | Confidential |                                     |           |
| PSM fiber                | Confidential |                                     |           |

## 4. First aid measures

Contact with skin : Wash with soap and lots of water.  
Contact with eyes : Flush eyes with lots of water and seek advice of a physician.  
Inhalation : Not applicable  
Drink : Seek advice of a physician.

## 5. Fire-fighting measures

Suitable extinguishing media : Water, foam, dry powder, CO2 gas, others  
Prohibited extinguishing media : None  
Special hazard : None  
Special fire-fighting procedure : None  
Special protective equipment : Use suitable respiratory equipment and wear protective clothing as required.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures : None  
Environmental precautions : Mistakenly unwound ribbons that cannot be rewound and used ribbons must be recovered and properly disposed of.  
Recovery/neutralization : Mistakenly unwound ribbons must be rewound.  
Method/equipment for cordoning and cleaning : Not applicable  
Prevention of secondary disasters : Not applicable

## 7. Handling and storage

### Handling

|                               |   |  |
|-------------------------------|---|--|
| Technical measures            | : | Wear protective gloves when required.            |
| Local and general ventilation | : | Not applicable                                   |
| Safety/handling precautions   | : | Must not be ingested. Wash hands after handling. |
| Avoid contact                 | : | None   |

### Storage

|   |   |  |
|---|---|--|
| Technical measures                                | : | Not applicable                         |
| Incompatibility with other materials              | : | No data                                |
| Storage conditions                                | : | Should be stored in cool, dark places. |
| Packaged Materials/materials stored in containers | : | Not applicable                         |

## 8. Exposure controls/personal protection

|                          |   |  |
|--------------------------|---|--|
| Controlled concentration | : | Not established  |
| Allowable concentration  | : | Not established as a product<br>ACGIH Carbon black TLV-TWA 3.5 mg/m <sup>3</sup> |

|                   |   |                |
|-------------------|---|----------------|
| Facility measures | : | Not applicable |
|-------------------|---|----------------|

### Personal protection

|                            |   |                                       |
|----------------------------|---|---------------------------------------|
| Respiratory protection     | : | Not applicable                        |
| Hand protection            | : | Wear protective gloves when required. |
| Eye protection             | : | Not applicable                        |
| Skin and bodily protection | : | Not applicable                        |

|                  |   |                            |
|------------------|---|----------------------------|
| Personal hygiene | : | Wash hands after handling. |
|------------------|---|----------------------------|

## 9. Physical and chemical properties

|  |   |  |
|--|---|--|
| Appearance, physical state                                   | : | Nylon 6-6 fabric impregnated with liquid black ink |
| Odor   | : | Odorless   |
| pH   | : | No data  |
| Freezing/melting point                                       | : | No data  |
| Boiling point, initial boiling point and boiling point range | : | No data  |
| Flash point  | : | Min. 150°C   |
| Explosive range  | : | No data  |
| Vapor pressure   | : | No data  |
| Vapor density  | : | No data  |
| Specific gravity   | : | No data  |
| Solubility   | : | Insoluble in water                                 |
| Octanol/water partition coefficient                          | : | No data  |
| Autoignition temperature                                     | : | No data  |
| Decomposition temperature                                    | : | No data  |
| Odor threshold level   | : | No data  |
| Evaporation rate (butyl acetate = 1)                         | : | Not applicable                                     |
| Combustibility (solids, gases)                               | : | Not applicable                                     |
| Viscosity  | : | No data  |

## 10. Stability and reactivity

|                                      |   |                                  |
|--------------------------------------|---|----------------------------------|
| Stability                            | : | Stable under ordinary conditions |
| Dangerous/toxic reaction potential   | : | No data                          |
| Conditions that must be avoided      | : | No data                          |
| Incompatibility with other materials | : | No data                          |
| Hazardous decomposition products     | : | No data                          |

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### 11. Toxicological information

|   |   |   |
|---|---|---|
| Acute toxicity  | : | No data   |
| Skin corrosion/irritation                                   | : | No data   |
| Serious eye damage/irritation                               | : | No data   |
| Respiratory sensitization/<br>skin sensitization            | : | No data   |
| Germ cell mutagenicity                                      | : | Carbon black is Category 2. Category 2 was decided upon because each contains a minimum of 1%.  |
| Carcinogenicity   | : | Carbon black is Category 2. Category 2 was decided upon because each contains a minimum of 1%.  |
| Specific target organ systemic toxicity (Single exposure)   | : | No data   |
| Specific target organ systemic toxicity (Repeated exposure) | : | Carbon black is Category 1. Category 1 was decided upon because each contains a minimum of 10%. Due to the form and the way the product is used, however, the probability of carbon black or ink contained splashing is considered low. |
| Aspiration hazard   | : | No data   |

### 12. Ecological information

None

### 13. Disposal considerations

Must be disposed of in accordance with pertinent laws and local standards.

### 14. Transport information

#### UN regulations

|                         |   |                |
|-------------------------|---|----------------|
| UN category             | : | Not applicable |
| UN No.                  | : | Not applicable |
| JP regulations          | : | None           |
| Special safety measures | : | None           |

### 15. Regulatory information

|                                  |   |   |
|----------------------------------|---|---|
| Industrial Safety and Health Law | : | Hazardous substances that must be named (Ordinance Article 57, No. 2; implementation No. 18, Article 2, Table 9)<br>Carbon black (government ordinance No. 130)<br>Mineral oil (government ordinance No. 168) |
| Fire Service Law                 | : | Specified combustible materials, combustible solids   |

### 16. Other information

None

#### Handling of contents

Not all materials and sources were investigated, and some information may consequently be left out. Contents are subject to change in the case of new findings or correction of existing descriptions. If used for important decisions, etc., we recommend proving by testing, etc. The figures given for content, physicochemical properties, etc., are not guaranteed.

The precautions contained herein apply to ordinary handling. This should be considered in the case of special handling.