

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **Ink for RC200B Series/ RC300B Series/ RC330B/ RC700B Series/ RC100B/  
RC7KB Ribbon Cassette (#53J)**

Company Name : GENERAL CO., LTD.  
Address : 18 Satsukigaoka, Minakuchi-cho, Koka-shi, Shiga, 528-0062 JAPAN  
Tel Number : +81-748-65-2260  
Fax Number : +81-748-63-1922  
Date of Preparation : Sep.15,2011  
Date of Revision : Dec.12,2014  
SDS Number : 11C003  
Use of the Preparation : For printing ink

### 2. HAZARDS IDENTIFICATION

GHS Classification  
Skin corrosion/irritation : Category 2

GHS Label Elements  
Pictogram :



Signal Word : Warning  
Hazard Statements : Causes skin irritation.  
Precautionary Statements : Wash hands thoroughly after handling.  
Wear protective gloves.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Mixture : Mixture

Chemical Nature

| Ingredients       | CAS No.                  | Contents (wt%) |   |      |
|-------------------|--------------------------|----------------|---|------|
| [#53J Ink]        |                          |                |   |      |
| Fatty Acid        | 112-80-1                 | 31.0           | — | 36.0 |
| Ester Oil A       | 68390-63-6               | 17.0           | — | 21.0 |
| Ester Oil B       | 26266-58-0               | 23.0           | — | 27.0 |
| Dyestuff          | 8005-02-5<br>101357-15-7 | 13.0           | — | 17.0 |
| Organic Pigment A | 1328-53-6                | 2.0            | — | 5.0  |
| Organic Pigment B | 7585-41-3                | 2.0            | — | 5.0  |
| Carbon Black      | 1333-86-4                | 0.5            | — | 1.0  |

### 4. FIRST-AID MEASURES

Inhalation : Remove affected persons into fresh air. Consult physician if necessary.  
Skin Contact : Wash thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

- Eye Contact : Rinse with plenty of water and seek medical advice if any irritation remains.
- Ingestion : Wash mouth with water and get medical advice.
- Most important symptoms and effects, both acute and delayed : No information available.

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## 5. FIRE-FIGHTING MEASURES

- Extinguishing Media : Water, Foam, CO2, Dry Chemical and others.
- Unsuitable Extinguishing Media : Water jet.
- Specific hazards : Hazardous combustion products may include carbon monoxide, carbon dioxide (CO2) .
- Specific Method : Fight fire from the windward side if possible.
- Special Protective Equipment for Firefighters : Fire fighters should wear suitable protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions : Wear appropriate personal protective equipment as specified in section 8.
- Environmental Precautions : Do not let this chemical enter the environment.
- Clean-up Methods : Absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers.

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## 7. HANDLING AND STORAGE

- Handling
- Technical Measures : None required under normal conditions of use.
- Safe Handling Advice : Handle in well ventilated area. Keep away from heat, sparks, and flame. Prohibition of dropping and throwing. Wash hands thoroughly after handling.
- Storage
- Suitable Storage Conditions : The safekeeping place please do not use fire, and please keep it in the good cool and dark space of the ventilation. Keep away from heat and direct sunlight.
- Safe Packaging Material : Comply with laws.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Measures
- Local Exhaust : None required under normal conditions of use.
- Personal Protective Equipment
- Respiratory Protections : None required under normal conditions of use.
- Hand Protection : Wearing of protection gloves is preferable to prevent soiling of hands.
- Eye Protection : Safety glasses.
- Skin and Body Protection : Standard work clothes with long sleeves.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State
- Form : liquid
- Color : Black
- Odor : None

Information

|   |  |                                |
|---|--|--------------------------------|
| pH  | : No data available  |                                |
| Boiling Point (°C)                          | : No data available  |                                |
| Flash Point (°C)                            | : 196 degree C (Cleveland Open Cup)  |                                |
| Fire Point (°C)                             | : No data available  |                                |
| Melting Point (°C)                          | : No data available  |                                |
| Explosion Properties (°C)                   | : This product is considered a no explosive material under normal use condition. |                                |
| Vapor Pressure (pa)                         | : No data available  | Measuring Temperature (°C) : — |
| Vapor Density (Air=1)                       | : No data available  |                                |
| Density (g/cm <sup>3</sup> )                | : Approx. 1.0  | Measuring Temperature (°C) : — |
| Solubility                                  |  |                                |
| Water Solubility (g/L)                      |  | : Insoluble                    |
| Water Solubility Measuring Temperature (°C) |  | : —                            |
| Octanol / Water Partition Coefficient       |  | : Not known                    |

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## 10. STABILITY AND REACTIVITY

|                                  |  |
|----------------------------------|--|
| Reactivity                       | : No hazardous reaction if stored and handled as prescribed. |
| Stability                        | : Stable under normal conditions of use.                     |
| Conditions to Avoid              | : No information available.                                  |
| Materials to Avoid               | : No information available.                                  |
| Hazardous Decomposition Products | : No dangerous decomposition products known.                 |

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## 11. TOXICOLOGICAL INFORMATION

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|--|--|
| Acute Toxicity   |  |
| Acute Oral Toxicity  | : (rat) LD <sub>50</sub> 15400mg/kg [Carbon black]<br>(rat) LD <sub>50</sub> >39.8g/kg [Ester oil B] |
| Acute Dermal Toxicity                                      | : No data available  |
| Acute Inhalation Toxicity                                  | : No data available  |
| Skin corrosion/irritation                                  | : (rabbit) 1250µg: Moderate [Ester oil B]  |
| Serious eye damage/eye irritation                          | : No data available  |
| Respiratory or skin sensitization                          | : No data available  |
| Germ cell mutagenicity                                     | : Negative in the Ames test.   |
| Carcinogenicity  | : The carbon black contained in this product corresponds to IARC group 2B.                           |
| Reproductive toxicity                                      | : No data available  |
| Specific target organ systemic toxicity -Single exposure   | : No data available  |
| Specific target organ systemic toxicity -Repeated exposure | : No data available  |
| Aspiration hazard  | : No data available  |

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## 12. ECOLOGICAL INFORMATION

|                             |                     |
|-----------------------------|---------------------|
| Ecotoxicity                 |                     |
| Acute Toxicity for Fish     | : No data available |
| Acute Toxicity for Daphnia  | : No data available |
| Algae Inhibition Test       | : No data available |
| Mobility                    | : No data available |
| Persistence / Degradability | : No data available |
| Bioaccumulation             | : No data available |

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### 13. DISPOSAL CONSIDERATION

- Remaining wastes : Dispose of waste material in accordance with local, state and federal pollution regulations.
- Contaminated containers and pickings : When disposing of an empty container, dispose after removing contents materials completely. Dispose of this material and its container according to your country law.

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### 14. TRANSPORT INFORMATION

- International Regulations
- UN Number : None
- Proper shipping name : Not applicable
- Hazard Class : Not regulated as a hazardous material.
- Packing Group : Not applicable

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### 15. REGULATION INFORMATION

Follow all of the laws and regulations in your country.

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### 16. OTHER INFORMATION

- Literature Reference : SDS of raw material manufacturer  
NITE: Chemical Risk Information Platform  
3E: Ariel Research Tool

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The information contained herein is based on the current knowledge.  
This Safety Data Sheet is intended to describe our products in correctness of safety requirements.  
It should not therefore be construed as guaranteeing specific properties.  
The data applies to only usual handling.