

## 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

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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 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/cm3)	: 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

#### Acute Toxicity

Acute Oral Toxicity	: (rat) LD50 15400mg/kg [Carbon black] (rat) LD50>39.8g/kg [Ester oil B]
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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

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|--------------------------------------|---|
| 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

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|---------------------------|--|
| 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

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|----------------------|---|
| Literature Reference | : SDS of raw material manufacturer<br>NITE: Chemical Risk Information Platform<br>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 handing.