

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **Ink for RC200BR Series/ RC700BR Series Ribbon Cassette (#120 Black/ #121 Red)**

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 : Jun.21,2013

Date of Revision : Dec.15,2014

SDS Number : 13C003

Use of the Preparation : For printing ink

2. HAZARDS IDENTIFICATION

[#120 Black Ink]

GHS Classification : Not classified

GHS Label Elements

Pictogram : Not applicable

Signal Word : Not applicable

Hazard Statements : Not applicable

Precautionary Statements : Not applicable

[#121 Red Ink]

GHS Classification : Not classified

GHS Label Elements

Pictogram : Not applicable

Signal Word : Not applicable

Hazard Statements : Not applicable

Precautionary Statements : Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Mixture : Mixture

Chemical Nature

Ingredients	CAS No.	Contents (wt%)
[#120 Black Ink]		
Ester Oils A	8007-43-0	35.0 — 39.0
Ester Oil B	73398-61-5	21.0 — 24.0
Carbon Black	1333-86-4	15.0 — 18.0
Organic Pigments	147-14-8	11.0 — 15.0
Surfactant	Confidential	9.0 — 13.0

[#121 Red Ink]

Ester Oils	8007-43-0	45.0 — 50.0
Organic Pigments	5850-80-6	28.0 — 33.0
Paraffin Oil	8042-47-5	10.0 — 14.0
Another Oil	68554-11-0	8.0 — 12.0

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.

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.

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.

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Form : liquid
Color : [#120 Black Ink] Black, [#121 Red Ink] Red
Odor : None

Information

pH : No data available
Boiling Point (°C) : No data available
Flash Point (°C) : [#120 Black Ink] Incapable measurement (solidifies at 200 °C)
[#121 Red Ink] Incapable measurement (solidifies at 200 °C)
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

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.

11. TOXICOLOGICAL INFORMATION

[#120 Black Ink]

Acute Toxicity

Acute Oral Toxicity : (rat) LD₅₀ 15400mg/kg [Carbon black]
(rat) LD₅₀>39.8g/kg [ingredient in Ester oils A]

Acute Dermal Toxicity : No data available

Acute Inhalation Toxicity : No data available

Skin corrosion/irritation : (rabbit) 1250µg: Moderate [ingredient in Ester oils A]

Serious eye damage/eye irritation : Slight irritant (OECD405). [Ester oil B]

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

[#121 Red Ink]

Acute Toxicity

Acute Oral Toxicity : (rat) LD₅₀>39.8g/kg [ingredient in Ester oils]

Acute Dermal Toxicity : No data available

Acute Inhalation Toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: Negative in the Ames test.
Carcinogenicity	: No data available
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

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

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.

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

15. REGULATION INFORMATION

Follow all of the laws and regulations in your country.

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.