

# Safety Data Sheet

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## 1. Identification of the mixture and of the company

Product name : Ink for Ball point pen refills as follows:

ST-0.7(Black, Blue, Red)	: BR-3B-ST-BK,BL,R
F-0.7(Black, Blue, Red)	: BR-1B-F-BK,BL,R
F-1.0(Black, Blue, Red)	: BRM-1B-F-BK,BL,R
4C-0.4(Black)	: R4C4-BK
4C-0.5(Black)	: R4CS-BK
4C-0.7(Black, Blue, Red)	: BR-8A-4C-BK,BL,R
4C-1.0(Black, Blue, Red)	: R4C10-BK,BL,R
SH-0.5(Black, Blue, Red)	: BR-8A-SH-BK,BL,R
H-0.7(Black, Blue, Red)	: BR-6A-H-BK,BL,R
LH-1.0(Black, Blue, Red)	: RLH10-BK,BL,R
LH-1.2(Black, Blue, Red)	: RLH12-BK,BL,R
LH-1.6(Black, Blue, Red)	: RLH16-BK,BL,R
SK-0.4(Black)	: RSK04-BK
SK-0.7(Black, Blue, Red)	: BR-6A-SK-BK,BL,R
K-0.7(Black, Blue, Red)	: BR-6A-K-BK,BL,R

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(Japan time)

Product use : Infill Ink for writing implement

## 2. Hazards identification

### GHS classification

#### Physical hazards

Flammable liquids	Not classified
Pyrophoric liquids	Not classified
Self-heating mixtures	Not classified
Corrosive to metals	Not classified

#### Health hazards

Acute toxicity-Oral	Category 4
Acute toxicity-Dermal	Category 4-5
Acute toxicity-Inhalation: vapour	Classification not possible
Acute toxicity-Inhalation: mist	Classification not possible
Skin corrosion / irritation	Category 3
Serious eye damage / eye irritation	Category 2
Respiratory or skin sensitization	Classification not possible / Classification not possible
Germ cell mutagenicity	Classification not possible

Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity (Single exposure)	Classification not possible
Specific target organ toxicity (Repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible

**Environmental hazards**

Hazardous to the aquatic environment (acute)	Classification not possible
Hazardous to the aquatic environment (chronic)	Classification not possible

**GHS label elements****Pictograms or Symbol**

Exclamation mark

**Signal Word**

Warning

**Hazard statement**

- Harmful if swallowed
- Harmful in contact with skin
- Causes mild skin irritation
- Causes serious eye irritation

**Precautionary Statements****Prevention**

- Read label and Material Safety Data Sheet before use.
- Do not eat, drink or smoke when using this product
- Wear protective gloves/eye protection.
- Wash hand thoroughly after handling
- Avoid release to the environment

**Response**

- Call a doctor/physician if you feel unwell
- IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell
- IF ON SKIN: Wash with soap and water
- If skin irritation occurs: Get medical advice/attention
- IF IN EYES: Rinse continuously with water for several minutes.  
Remove contact lenses if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- Wash contaminated clothing before reuse

**Storage**

- Store in a well ventilated place. Keep cool and container tightly closed.

**Disposal**

- Dispose of contents/container in accordance with local government regulation.

**3. Composition/information on ingredients****Mixture****Component and Amount**

Component	Amount	CAS No.	Reference Number in Gazetted List in Japan (Japanese Chemical Substances Control Act)
Dyes	20-30%	Nondisclosure	Nondisclosure(registered)

Resins	15-25%	Nondisclosure	Nondisclosure(registered)
Ethylenglycol monophenyleth	30-45%	122-99-6	(9)-1277
Benzyl alcohol	10-20%	100-51-6	(3)-1011
Additives	1-5%	Nondisclosure	Nondisclosure(registered)

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#### 4. First-aid measures

##### After inhalation:

Call a doctor/physician if you feel unwell.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

##### After skin contact:

Wash with soap and water

If skin irritation occurs: Get medical advice/attention

Call a doctor/physician if you feel unwell.

Wash contaminated clothing before reuse

##### After eye contact:

Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do . Continue rinsing

If eye irritation persists : Get medical advice/attention

##### After ingestion:

Rinse mouth and a doctor/physician if you feel unwell.

##### Protection of the person who takes first aid

Nothing in particular.

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#### 5. Fire-fighting measures

##### Suitable Extinguishing media

Carbon dioxide, dry chemical powder, water fog, foam

##### Prohibition extinguishing media for safety reason

Water spray (straight)

May produce toxic fumes if burning.

##### Specific fire fighting procedures

If safe to do so, move undamaged containers from the fire area.

If can't move the container , cool containers and surrounding with spray water.

Cool containers with large quantities of water until well after extinguished the fire.

##### Special protective equipment for fire-fighters

Fire-fighting should be performed from the windward side.

Respiratory protection, and other suitable protective equipment

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#### 6. Accidental release measures

##### Personal precautions

The pollution area should be established as off limits without concerned persons.

##### Protective equipment and emergency measure

Do not touch the leakage or its damaged container without suitable protection.

Do not walk through the leakage.

Keep sufficient ventilation if the area is indoor.

Remove ignition sources.

##### Environmental precautions

Keep away from drains, and prevent from releasing to the environment.

**Methods for cleaning up**

Use non-flammable absorbent materials, and put them in airtight container.

Dispose of absorbent in accordance with law.

**Prevention of secondary disaster**

Remove nearby ignition source and hot surface.

Equipped with suitable extinguishing media. (Preparation for in case of ignition)

**7. Handling and storage****Handling****Technical measures**

Do suitable equipment measures and use suitable protection that refer to "8. Exposure control/ personal protection".

**Local exhaust ventilation and general ventilation**

Use local exhaust ventilation and general ventilation that refer to

"8. Exposure control/ personal protection".

**Caution**

When handling do not use high temperature articles, spark and fire.

Handle container with care, do not make it turn over, drop, give impact and drag.

Do not breathe, contact and swallow.

Maintain air concentrations below exposure limit using exhaust ventilation.

Do not eat, drink or smoke when using this product.

Wash hand thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

**Avoid contact**

Refer to section 10 about stability and reactivity.

**Storage****Incompatible materials**

Refer to section 10 about stability and reactivity.

**Storage condition**

Store away from heat/sparks/open flames – No smoking

Store in a well ventilated place. Keep cool and container tightly closed.

Store locked up.

**The Containers**

Use the container that our company filled up when ship products

**8. Exposure control/ personal protection****Exposure limit values**

Chemical name	Permissible concentration		Administrative levels
	The Japan Society for Occupational Health	ACGIH TLV-TWA	Ministry of Health, Labour and Welfare(JAPAN)
Ethylenglycol monophenylether	Not established	Not established	Not established
Benzyl alcohol	Not established	Not established	Not established

**Equipment measures**

Put up local exhaust ventilation. Use explosion-proof electrical/ventilating/lighting.

Take precautionary measures against static discharge.

Put up emergency eyewash and shower in case of storage or handling about this product.

**Protection****Respiratory protection**

Use suitable respiratory protection.

**Hand protection**

Use suitable protective gloves.

**Eye protection**

Use suitable eye protection.

**Skin/body protection**

Use suitable face protection.

**Hygiene measures**

Do not eat ,drink or smoke when using this product.

Wash thoroughly after handling.

**9. Physical and chemical properties**

<b>Appearance</b>	Coloring liquid
<b>Odour</b>	Peculiar odour
<b>pH</b>	No data available
<b>Melting point / Coagulating point</b>	No data available
<b>Boiling point</b>	99.5°C
<b>Flash point</b>	More than 90 °C
<b>Explosive limit UEL</b>	No data available
<b>Explosive limit LEL</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Specific gravity</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient n-octanol/water</b>	No data available
<b>Ignition point</b>	No data available
<b>Decomposition point</b>	No data available

**10. Stability and reactivity**

<b>Chemical stability</b>	This product is stable in normal condition.
<b>Materials to Avoid</b>	Strong oxidizing agent
<b>Conditions to avoid</b>	High temperature
<b>Incompatible materials</b>	Strong oxidizing agent
<b>Hazardous decomposition products</b>	Nothing in particular.

**11. Toxicological information**

<b>Acute toxicity-Oral</b>	Category 4
<b>Acute toxicity-Dermal</b>	Category 4-5
<b>Acute toxicity-Inhalation: vapour</b>	Classification not possible
<b>Acute toxicity-Inhalation: mist</b>	Classification not possible
<b>Skin corrosion / irritation</b>	Category 3
<b>Serious eye damage / eye irritation</b>	Category 2
<b>Respiratory or skin sensitization</b>	Classification not possible / Classification not possible
<b>Germ cell mutagenicity</b>	Classification not possible
<b>Carcinogenicity</b>	Classification not possible
<b>Reproductive toxicity</b>	Classification not possible

Specific target organ toxicity(Singel exposure)	Classification not possible
Specific target organ toxicity(Repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible

**12. Ecological information**

Hazardous to the aquatic environment(acute)	Classification not possible
Hazardous to the aquatic environment(chronic)	Classification not possible
Degradability	No data is available
Bioaccumulative potential	No data is available
Mobility in soil	No data is available

**13. Disposal considerations****Waste residues**

Disposal must be made according to official regulations.

Avoid release to the environment.

**Contaminated container and packaging**

Do not flush into the sewer.

Remove all contents when you dispose of empty containers.

**14. Transport information**

The contents are as follows when transport only ink

**International regulation****IMDG(maritime transport)**

UN No.	Not applicable
Class	-
Packing Group	-
Marine Pollutant	-

**ICAO/IATA(air transport)**

UN No.	Not applicable
Class	-
Packing Group	-

**Special precautions**

Prevent from falling, stumbling and doing damage when the container loading..

Avoid acute vibration and friction for container.

If there are some indications of hazard in transporting like acute leak in transporting, take emergency measures and report the accident at once to disaster management agency.

Avoid transport with foods or feeds.

Above regulations are applied to transport of writing instruments filled with the ink.

**15. Regulatory information(Japan)****Industrial Safety and Health Act****Article 57-2 paragraph (1) "notifiable substances"**

Black, Red ink: Chromium Compounds

Blue ink : Copper Compounds

**Order for Enforcement Article 1, 6, 9-3 Appended Table 1 item(IV)**

dangerous substances • inflammable substances

Not applicable

**Poisonous and Deleterious Substances Control Law**

**Article 2 Appended Table 1 and 2**

Not applicable

**Act on confirmation, etc. of Release Amounts of Specific Chemical Substances  
in the Environment and Promotion of Improvements to the Management There of**

**Article 2 Class I , II Designated Chemical Substances**

Not applicable

**Fire Service Law**

**Article 2 paragraph (7) hazardous material Appended Table 1**

Category IV Class III petroleum water-insoluble

**Ship Safety Act**

**Regulations for the carriage and storage of dangerous goods in ship Article 2, 3  
dangerous goods public notice Appended Table 1**

Not applicable

**Civil Aviation Law**

**Ordinance for Enforcement Article 194 dangerous goods public notice Appended Table 1**

Not applicable

## 16. Other information

In this sheet, the contents of ingredients and the value of physical and chemical properties are not guaranteed performance.

The information contained in this sheet is based on the data available at now.

But this shall not constitute a guarantee for any specific or classification.

Please be alert to handling this product because chemicals shall have unknown hazards.

This sheet may be revised when we get new information.

The information is assumed in the case of large-scale handling on business operations.

They cannot be always applicable to general use of writing instruments.

### Reference

Globally Harmonized System of Classification and Labelling of Chemicals (GHS) second revised edition 2007  
Recommendation of Occupational Exposure Limits(2009-2010) by The Japan Society for Occupational Health  
2009 TLVs and BEIs by ACGIH