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## SECTION 1: Product and company identification

### Product identifier

**Product name** Kiaro! D Ink Part# 14831101  
**Product code(s)** 9754B002  
**Use** Ink for Ink Jet Printer

### Details of the supplier of the safety data sheet

**Supplier**

### **Manufacturer**

CANON FINETECH NISCA INC.  
14-1, Chuo 1-chome, Misato-shi, Saitama 341-8527, Japan

## SECTION 2: Hazards identification

### Emergency Overview

Ink tank containing cyan liquid ink with slight odor.  
Ethyleneurea may cause damage to thyroid gland through prolonged or repeated exposure.

### Classification under OSHA HCS

Specific target organ toxicity - repeated exposure (thyroid gland), Category 2

### US Label Elements under OSHA HCS

#### Symbol



#### Signal word

Warning

#### Hazard statements

May cause damage to thyroid gland through prolonged or repeated exposure.

#### Precautionary statements

Not required

#### Other Information

None

### Other hazards which do not result in classification

None

### SECTION 3: Composition/information on ingredients

| Chemical name      | CAS-No    | Weight % |
|--------------------|-----------|----------|
| Copper Compound    | CBI       | 1-5      |
| Triethylene glycol | 112-27-6  | 1-5      |
| Glycerin           | 56-81-5   | 5-10     |
| Ethyleneurea       | 120-93-4  | 10-15    |
| Water              | 7732-18-5 | 60-80    |

### SECTION 4: First aid measures

#### Description of first aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | If symptoms are experienced, move victim to fresh air and obtain medical advice.   |
| <b>Ingestion</b>    | Rinse mouth. Give one or two glasses of water.<br>If irritation or discomfort occurs, obtain medical advice immediately.   |
| <b>Skin contact</b> | Wash with water and soap or mild detergent. If irritation persists, obtain medical advice.   |
| <b>Eye contact</b>  | Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice immediately. |

#### Most important symptoms and effects, both acute and delayed

|                        |  |
|------------------------|--|
| <b>Inhalation</b>      | No adverse effects are expected under intended use.<br>Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea. |
| <b>Ingestion</b>       | May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.  |
| <b>Skin contact</b>    | Neither irritation nor sensitization is expected. (See SECTION 11)   |
| <b>Eye contact</b>     | May cause mild irritation. (See SECTION 11)  |
| <b>Chronic effects</b> | Not identified   |

#### Indication of any immediate medical attention and special treatment needed

None

### SECTION 5: Firefighting measures

#### Extinguishing media

##### **Suitable extinguishing media**

CO<sub>2</sub>, water, foam or dry chemicals

##### **Unsuitable extinguishing media**

None

#### Special hazards arising from the substance or mixture

##### **Special hazard**

None

**Hazardous combustion products**  
CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

**Advice for firefighters**

**Special protective equipment for fire-fighters**  
None

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.  
Avoid breathing vapor and mist.

**Environmental precautions**

Do not release to sewer, surface water or ground water.

**Methods and material for containment and cleaning up**

Wipe off with wet cloth or paper.

**Other information**

None

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Use with adequate ventilation.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing vapor and mist.  
In case of contact, wash out the contaminated area immediately.

**Conditions for safe storage, including any incompatibilities**

Keep in a cool and dry place.  
Protect from sunlight.  
Keep out of the reach of children.

**Specific end uses**

Ink for Ink Jet Printer.  
For more information, please refer to the instruction of this product.

**SECTION 8: Exposure controls/personal protection**

**Exposure guidelines**

| Chemical name | OSHA PEL   | ACGIH TLV       |
|---------------|--|-----------------|
| Glycerin      | 15 mg/m <sup>3</sup> (mist, total dust)<br>5 mg/m <sup>3</sup> (mist, respirable fraction) | Not established |

**Appropriate engineering controls** No special ventilation equipment is needed under intended use of this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Not required  
**Skin protection** Not required  
**Respiratory protection** Not required

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

|  |                                    |
|--|------------------------------------|
| Appearance                             | Cyan liquid                        |
| Odor                                   | Slight odor                        |
| Odor threshold                         | Not available                      |
| pH                                     | 7-9                                |
| Melting point/Freezing point (°C)      | Not available                      |
| Boiling Point/Range (°C)               | Not available                      |
| Flash point (°C)                       | None (Estimate)                    |
| Evaporation rate                       | Not available                      |
| Flammability (solid, gas)              | Neither flammable nor combustible. |
| Flammability Limits in Air             |                                    |
| Upper flammability limit               | Not available                      |
| Lower flammability limit               | Not available                      |
| Vapor pressure                         | Not available                      |
| Vapor density                          | Not available                      |
| Relative density                       | 1.0-1.1                            |
| Solubility(ies)                        | Water: Miscible                    |
| Partition coefficient: n-octanol/water | Not available                      |
| Autoignition temperature (°C)          | Not available                      |
| Decomposition temperature (°C)         | Not available                      |
| Viscosity (mPa·s)                      | 1-5                                |

### Other information

None

## SECTION 10: Stability and reactivity

### Reactivity

None

### Chemical stability

Stable

### Possibility of hazardous reactions

None

### Conditions to avoid

None

### Incompatible materials

Acids, bases, oxidizing materials and reducing agents.

### Hazardous decomposition products

CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

## SECTION 11: Toxicological information

### Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Not available  |
| <b>Skin corrosion/irritation</b>         | Not irritant (rabbit)<br>OECD Guidelines No.404 (2002), (EC) 440/2008 Method B4          |
| <b>Serious eye damage/eye irritation</b> | Mild irritant (rabbit)<br>OECD Guidelines No.405 (2012), (EC) 440/2008 Method B5         |
| <b>Sensitization</b>                     | Not sensitizing (LLNA, mouse)<br>OECD Guidelines No.429 (2010), (EC) 440/2008 Method B42 |
| <b>Germ cell mutagenicity</b>            | Ames test: Negative  |
| <b>Carcinogenicity</b>                   | Not available  |
| <b>Reproductive toxicity</b>             | Not available  |
| <b>STOT - single exposure</b>            | Not available  |
| <b>STOT - repeated exposure</b>          | Not available  |
| <b>Aspiration hazard</b>                 | Not available  |
| <b>Other information</b>                 | Not available  |

## SECTION 12: Ecological information

### Toxicity

**Ecotoxicity effects**  
Not available

**Persistence and degradability**  
Not available

**Bioaccumulative potential**  
Not available

**Mobility in soil**  
Not available

**Other adverse effects**  
Not available

### SECTION 13: Disposal considerations

#### Waste treatment methods

Disposal should be subject to federal, state and local laws.

### SECTION 14: Transport information

|   |  |
|---|--|
| <u>UN number</u>  | None   |
| <u>UN proper shipping name</u>  | None   |
| <u>Transport hazard class</u>   | None   |
| <u>Packing group</u>  | None   |
| <u>Environmental hazards</u>  | No special environmental precautions required. |
| <u>Special precautions for users</u>                                      | None   |
| <u>Transport in bulk according to Annex II of MARPOL and the IBC Code</u> | Not applicable                                 |

### SECTION 15: Regulatory information

#### Safety, health and environmental regulations specific for the product in question

|                                  |                              |                        |
|----------------------------------|------------------------------|------------------------|
| <b>TSCA Sec 4,5,6,7,8,12b</b>    | None                         |                        |
| <b>SARA Title III Sec 313</b>    | "Copper Compound"<br>(as Cu) | 1-5 wt%<br>(<0.35 wt%) |
| <b>California Proposition 65</b> | None                         |                        |
| <b>CEPA Sec. 81</b>              | None (Manufactured item)     |                        |
| <b>HPA (WHMIS)</b>               | None (Manufactured article)  |                        |
| <b>Other information</b>         | None                         |                        |

### SECTION 16: Other information

#### **Key literature references and sources for data**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- California EPA, Code of Regulations Title 27. Division 4. Chapter 1. Safe Drinking Water and Toxic Enforcement Act of 1986
- Environment Canada, Canadian Environmental Protection Act, 1999
- Health Canada, Hazardous Products Act, and Controlled Products Regulations
- Canada Workplace Hazardous Materials Information System

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**Key or legend to abbreviations and acronyms used in the safety data sheet**

- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- IARC: International Agency for Research on Cancer
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- CBI: Confidential Business Information

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