

# Safety Data Sheet

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SDS #: JIn-271US  
Version: 02

## SECTION 1: Product and company identification

### Product identifier

**Product name** Ink Tank BJI-P411Y  
**Product code(s)** 4843B002  
**Use** Ink for Ink Jet Printer

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

#### **Supplier**

Canon USA, Inc.  
One Canon Park, Melville, NY 11747, USA  
Phone number : 1-800-OK-CANON  
Emergency phone number : 24 Hr. Emergency CHEMTREC # 1-800-424-9300

#### **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 yellow liquid ink with slight odor.  
2-Pyrrolidinone may damage fertility or the unborn child.  
Ethyleneurea may cause damage to thyroid gland through prolonged or repeated exposure.

### Classification under OSHA HCS

Reproductive toxicity, Category 1B  
Specific target organ toxicity - repeated exposure (thyroid gland), Category 2

### US Label Elements under OSHA HCS

#### **Symbol**



#### **Signal word**

Danger

#### **Hazard statements**

May damage fertility or the unborn child. 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 %
Glycerin	56-81-5	5-10
Ethyleneurea	120-93-4	5-10
2-Pyrrolidinone	616-45-5	5-10
Triethylene glycol	112-27-6	1-5
Yellow dye	CBI	1-5
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. 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. 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 minimal 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) 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	Yellow liquid
Odor	Slight odor
Odor threshold	Not available
pH	7-9
Melting point/Freezing point (°C)	Not available
Initial boiling point and boiling range (°C)	Not available
Flash point (°C)	None (Estimate)
Evaporation rate	Not available
Flammability (solid, gas)	Neither flammable nor combustible.
Upper/lower flammability or explosive limits	
Upper flammability limit	Not available
Lower flammability limit	Not available
Upper explosive limit	Not available
Lower explosive 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
Auto-ignition temperature (°C)	Not available
Decomposition temperature (°C)	Not available
Viscosity (mPa·s)	1-5
Explosive properties	None (Estimate)
Oxidizing properties	None (Estimate)

### 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) (Estimate based on data of similar ink or ingredient(s).) OECD Guidelines No.404 (2002), (EC) 440/2008 Method B4
<b>Serious eye damage/eye irritation</b>	Minimal irritant (rabbit) (Estimate based on data of similar ink or ingredient(s).) OECD Guidelines No.405 (2002), (EC) 440/2008 Method B5
<b>Sensitization</b>	Not sensitizing (LLNA, mouse) (Estimate based on data of similar ink or ingredient(s).) 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>	2-Pyrrolidinone is classified as a Category 1B (GHS) reproductive toxicant. However, the amount of exposure to 2-Pyrrolidinone is negligible under intended use of this product.
<b>STOT - single exposure</b>	Not available
<b>STOT - repeated exposure</b>	Ethyleneurea is classified as a STOT-RE Category 2 (thyroid gland) under GHS. However, the amount of exposure to Ethyleneurea is negligible under intended use of this product.
<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

TSCA Sec. 4,5,6,7,8,12b	None
SARA Title III Sec. 313	None
California Proposition 65	None
CEPA Sec. 81	None (Manufactured item)
HPA (WHMIS)	None (Manufactured article)
Other information	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

**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
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- 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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**Revision note:** SECTION 2, 3, 9, 11 and 16 have been revised.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.