

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** Canon Ink Cartridge BJI-201 M  
**Product Code:** 0948A / F47-0501, F47-0551, F47-1461  
**Manufacturer:** Canon Inc., 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Phone # 03-3758-2111  
**Supplier:** Canon USA, Inc., One Canon Park, Melville, NY 11747, USA  
**Phone # :** 1-800-OK-CANON, 24 Hr. Emergency CHEMTREC # 1-800-424-9300

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

#### < Ingredient(s) >

Chemical Name / Generic name	CAS # / EC #	Weight %	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Glycerin	56-81-5/ 200-289-5	5 - 10	None / None	(as mist) Total dust TWA = 15 mg/m <sup>3</sup> Respirable fraction TWA = 5 mg/m <sup>3</sup>	(as mist) TWA = 10 mg/m <sup>3</sup>	Not established	Not established
Thiodiglycol	111-48-8 / 203-874-3	5 - 10	Xi / R36	Not established	Not established	Not established	Not established
1-Benzoylamino-7-(p-methyl-o-sulfophenylazo)-na phthalene-3,6-disulfonate = trisodium salt	92408-46-3 / 403-670-6	2 - 6	None / R52/53	Not established	Not established	Not established	Not established
Poly(oxy-1,2-ethanediyl), .alpha., .alpha.'-[1,4-dimethyl-1,4 -bis(2-methylpropyl)-2-b utyne-1,4-diyl]bis[.omeg a.-hydroxy-	9014-85-1 / Not applicable	1 - 3	Xi / R41	Not established	Not established	Not established	Not established
Ammonia derivative	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-791-2	65 - 85	None / None	Not established	Not established	Not established	Not established

< Carcinogen >  
Chemical Name

CAS #

Reference

None

### SECTION 3 HAZARDS IDENTIFICATION

#### EU Classification:

Not classified as dangerous.

#### Emergency Overview:

Ink cartridge containing magenta liquid ink with slight odor.

#### Potential Health Effects and Symptoms:

##### Inhalation:

No adverse effects are expected under intended use.

Glycerin mist may cause physical irritation and difficulty breathing.

##### Ingestion:

Ingestion of glycerin may cause headache, nausea, dizziness, vomiting, drowsiness, abdominal pain and dullness.

##### Eye:

May cause minimal irritation based on the animal test data of this ink. (See SECTION 11)

##### Skin:

May cause mild irritation and no sensitization based on the animal test data of this ink. (See SECTION 11)

##### Chronic Effects:

Not identified

##### Medical Conditions Generally known to be Aggravated by Exposure:

Not identified

### SECTION 4 FIRST AID MEASURES

#### First Aid Measures:

##### Inhalation:

If symptoms are experienced, move victim to fresh air and obtain medical advice.

##### Ingestion:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

##### Eye:

Immediately flush with water for 5 minutes or until the chemical is removed.

If irritation persists, obtain medical advice immediately.

##### Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

#### Note to Physicians:

None

### SECTION 5 FIRE FIGHTING MEASURES

#### Fire Fighting Measures:

##### Extinguishing Media:

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

##### Unsuitable Extinguishing Media:

None

##### Special Fire Fighting Procedures:

None

##### Unusual Fire and Explosion Hazards:

None

#### Fire and Explosive Properties (See also Section 9):

##### Hazardous Combustion Products:

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

##### Other Properties:

None

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid contact with skin, eyes and clothing.

#### Environmental Precautions:

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

#### Method for Cleaning Up:

Wipe off with wet cloth or paper.

### SECTION 7 HANDLING AND STORAGE

#### Handling:

Avoid contact with skin, eyes and clothing. When contact, wash out immediately.

Use with adequate ventilation.

#### Storage:

Keep in a cool and dry place.

Protect from sunlight.

Keep out of the reach of children.

#### Specific 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:

Not established for this ink. (Also refer to SECTION 2)

#### Engineering Controls:

Use adequate ventilation.

#### Personal Protection Equipment(s):

**Respiratory Protection:** ☐ Required  
☒ Not Required

**Eye/Face Protection:** ☐ Required  
☒ Not Required

**Skin Protection:** ☐ Required  
☒ Not Required

## MATERIAL SAFETY DATA SHEET

MSDS #: IC1146-0101

Product Code: 0948A

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Magenta liquid
<b>Odor:</b>	Slight odor
<b>pH:</b>	7.0 - 9.5
<b>Boiling Point/Range(°C):</b>	Not available
<b>Melting Point/Range(°C):</b>	Not available
<b>Decomposition Temperature(°C):</b>	Not available
<b>Flash Point(°C):</b>	Estimate : None
<b>Flammable (Explosive) Limits:</b>	Not available
<b>Autoignition Temperature(°C):</b>	Not available
<b>Flammability:</b>	Neither flammable nor combustible.
<b>Explosive Properties:</b>	None
<b>Oxidizing Properties:</b>	None
<b>Vapor Pressure :</b>	Not available
<b>Vapor Density :</b>	Not available
<b>Density / Specific Gravity:</b>	1.04 - 1.10
<b>Water Solubility :</b>	Miscible
<b>Fat Solubility :</b>	Not available
<b>Partition Coefficient (n-Octanol/Water):</b>	Not available
<b>Percent Volatile (%):</b>	65 - 85
<b>Evaporation Rate:</b>	Not available
<b>Viscosity (mPa s):</b>	1.6 - 2.2

### SECTION 10 STABILITY AND REACTIVITY

<b>Stability:</b>	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
<b>Conditions to Avoid:</b>	None
<b>Materials to Avoid:</b>	Acids, bases, oxidizing materials and reducing agents
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> , Ammonia and SO <sub>x</sub>
<b>Hazardous Polymerization:</b>	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur
<b>Conditions to Avoid:</b>	None

SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

**Inhalation:**

Not available

**Ingestion:**

Not available

**Eye:**

Minimal irritant, Maximum Group Mean Score = 8.7, Class 3 (rabbit)

OECD Guidelines No.405 (1987)

92/69/EEC Method B5

**Skin:**

Mild irritant, Primary Irritation Index = 0.2 (rabbit)

OECD Guidelines No.404 (1992)

92/69/EEC Method B4

**Sensitization:**

Non sensitizer, Sensitization rate = 0 % (0/10) (guinea pig)

OECD Guidelines No.406 (1992)

96/54/EC Method B6

**Mutagenicity:**

Ames test : Negative (test strains: *S.typhimurium*)

Chromosome aberration test : Negative (test strains: *Human peripheral blood lymphocytes*)

**Reproductive Toxicity:**

Not available

**Carcinogenicity:**

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

**Others:**

Not available

SECTION 12 ECOLOGICAL INFORMATION

Mobility: Not available

Persistence /  
Degradability: Not available

Bioaccumulation: Not available

Ecotoxicity: 1-Benzoylamino-7-(p-methyl-o-sulfophenylazo)-naphthalene-3,6-disulfonate = trisodium salt (92408-46-3) :  
Fish, Acute Toxicity Test : 96 hours LC50 > 1000 mg/l (*Cyprinus carpio*)  
OECD Guideline No.203(1984) & 84/449/EEC Method C1  
Daphnia sp. , Acute Immobilization Test and Reproduction Test : 24 hours NOEC 1000 mg/l (*Daphnia magna*)  
OECD Guideline No.202(1984) & 84/449/EEC Method C2  
Alga, Growth Inhibition Test : The color of this substance inhibited cell growth. (*Scenedesmus subspicatus*)  
Indirect exposure ; 0-72 Hours EbC50 40 mg/l , 0-72 Hours ErC50 25 mg/l  
Direct exposure ; 0-72 Hours EbC50 103 mg/l , 0-72 Hours ErC50 73 mg/l  
OECD Guideline No.201(1984) & 92/69/EEC Method C3 & ISO 8692(1989)

NOEC : No Observed Effect Concentration

Other Adverse Effects: Not available

SECTION 13 DISPOSAL CONSIDERATION

Method of Disposal:

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

SECTION 14 TRANSPORT INFORMATION

UN #: None

UN Shipping Name: None

UN Classification: None

UN Packing Group: None

Marine Pollutant: ☐ Yes ☒ No Chemical name (wt%):

Special Precautions: None

SECTION 15 REGULATORY INFORMATION

< EU Information >

Information on the Label:

Symbol & Indication: Not required

R-Phrase:

Not required

S-Phrase:

Not required

Dangerous Component(s):

None

Special Precautions under 1999/45/EC Annex V:

Not required

Specific Provisions in Relation to Protection of Man or the Environment:

76/769/EEC: Not regulated

(EC)2037/2000: Not regulated

(EEC)2455/92: Not regulated

Others: None

< USA Information >

Information on the Label under FHSA:

Signal Word: Not required

Hazard warning:

Not required

Safety Advice:

Not required

Hazardous Component(s):

Not required

SARA Title III §313:

Chemical Name

Weight %

None

California Proposition 65:

Chemical Name

Weight %

None

< Canada Information >

WHMIS Controlled Product:

Not applicable (Manufactured article)

< Australia Information >

Statement of Hazardous Nature:

Not classified as hazardous according to criteria of NOHSC.

SECTION 16 OTHER INFORMATION

<R phrase list>

R36 : Irritating to eyes.

R41 : Risk of serious damage to eyes.

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<Revised information from the previous version>

Entirely revised.

**Literature Reference:**

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- 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
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EEC)2455/92
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

**Abbreviations:**

EU: European Union.  
 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.  
 EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC.  
 DFG MAK: MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.  
 TWA: Time Weighted Average.  
 IARC: International Agency for Research on Cancer.  
 NTP: National Toxicology Program (USA).  
 OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).  
 FHSA: Federal Hazardous Substances Act (USA).  
 WHMIS: Workplace Hazardous Materials Information System.  
 NOHSC: National Occupational Health and Safety Commission Act 1985.

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