

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product Name:** Canon Ink Tank PFI-304BK

**Product Code:** 3849B

**Manufacturer:** Canon Inc.,30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo, Japan, Ph# 03-3758-2111

**Supplier:** Canon U.S.A., Inc., One Canon Park, Melville, NY 11747, USA

**Phone # :** 1-800-OK-CANON 24 Hr. Emergency CHEMTREC # 1-800-424-9300

**SECTION 2 HAZARDS IDENTIFICATION**

**EU Classification:**

Not classified as dangerous.

**Emergency Overview:**

Ink tank containing black liquid ink with slight odor.  
Vapor or mist may cause respiratory tract and eye irritation.

**Potential Health Effects and Symptoms:**

**Inhalation:**

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.

**Ingestion:**

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

**Eye:**

May cause minimal irritation. (See SECTION 11)

**Skin:**

Neither irritation nor sensitization is expected. (See SECTION 11)

**Chronic Effects:**

Not identified

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

Not identified

SECTION 3 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
Poly(oxy-1,2-ethanediyl), alpha.,alpha.-[1,4-dimethyl- -1,4-bis(2-methylpropyl)-2- butyne-1,4-diyl]bis[omega- hydroxy-	9014-85-1 / Not applicable	1 - 5	Xi / R41	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-791-2	80 - 100	None / None	Not established	Not established	Not established	Not established

< Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.

< PBT substance and vPvB substance >

No component of this ink is a PBT or vPvB substance under Regulation (EC) No 1907/2006.

## 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 lukewarm, gently flowing 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.

Avoid breathing vapor and mist.

### 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 breathing vapor and mist.

Use with adequate ventilation.

Avoid contact with skin, eyes and clothing. In case of contact, wash out the contaminated area immediately.

### 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. (See also SECTION 3)

**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

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Black liquid

**Odor:** Slight odor

**pH:** 9 - 10

**Boiling Point/Range(°C):** Not available

**Melting Point/Range(°C):** Not available

**Decomposition Temperature(°C):** Not available

**Flash Point(°C):** None (Estimate)

**Flammable (Explosive) Limits:** Not available

**Autoignition Temperature(°C):** Not available

**Flammability:** Neither flammable nor combustible.

**Explosive Properties:** None (Estimate)

**Oxidizing Properties:** None (Estimate)

**Vapor Pressure :** Not available

**Vapor Density :** Not available

**Density / Specific Gravity:** 1.0 - 1.1

**Water Solubility :** Miscible

**Fat Solubility :** Not available

**Partition Coefficient (n-Octanol/Water):** Not available

**Percent Volatile (%):** 80 - 100

**Evaporation Rate:** Not available

**Viscosity (mPa s):** 1 - 5

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** ☒ Stable ☐ Unstable

**Conditions to Avoid:** None

**Materials to Avoid:** Acids, bases, oxidizing materials and reducing agents

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>

**Hazardous Polymerization:** ☐ May Occur ☒ Will Not Occur

**Conditions to Avoid:** None

SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

**Inhalation:**

Not available

**Ingestion:**

Not available

**Eye:**

Minimal irritant (rabbit)

OECD Guidelines No.405 (2002), 2004/73/EC Method B5

**Skin:**

Non-irritant (rabbit)

OECD Guidelines No.404 (2002), 2004/73/EC Method B4

**Sensitization:**

Non-sensitizer (mouse)

OECD Guidelines No.429 (2002), 2004/73/EC Method B42

**Mutagenicity:**

Ames test: Negative (*S. typhimurium* & *E. Coli*)

**Reproductive Toxicity:**

Not available

**Carcinogenicity:**

Not available

**Others:**

Not available

**SECTION 12 ECOLOGICAL INFORMATION**

**Mobility:** Not available

**Persistence / Degradability:** Not available

**Bioaccumulation:** Not available

**Ecotoxicity:** Not available

**Other Adverse Effects:** Not available

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Method of Disposal:**  
Disposal should 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):**  
Not required

**Special Precautions under 1999/45/EC Annex V:**  
Safety data sheet available for professional user on request.

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

**(EC) No 1907/2006 Annex XVII (Restrictions):** Not regulated

**(EC) No 2037/2000:** Not regulated

**(EC) No 689/2008:** Not regulated

**Others:** None

< USA Information >

Information on the Label under OSHA HCS:

Signal Word: Not required

Hazard warning:

VAPOR OR MIST MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.

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>

R41: Risk of serious damage to eyes.

<Term explanation>

Estimate: Estimate based on data of similar ink or the ingredient(s).

**MATERIAL SAFETY DATA SHEET**

MSDS #: IC2009-0101

Product Code: 3849B

**Literature References:**

- 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) No 2037/2000, (EC) No 689/2008, (EC) No 1907/2006, (EC) No 1272/2008
- 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, 2000/39/EC and 2006/15/EC.  
 DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.  
 TWA: Time Weighted Average.  
 STEL: Short Term Exposure Limit.  
 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.  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

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