

MATERIAL SAFETY DATA SHEET

MSDS #: IC1076-0202 Product Code: 5837A / F47-3041

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE

COMPANY/UNDERTAKING

Product Name: Canon Ink Tank BCI-1002Y

Product Code: 5837A / F47-3041

Manufacturer: Canon Inc.

30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

Supplier: Canon Singapore Pte Ltd

1 HarbourFront Avenue, #04-01, Keppel Bay Tower, Singapore 098632

cspl_msds@canon.com.sg

Use of the Product	Ink for Ink		-				<i>:</i>
SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS							
< Ingredient(s) >	COMI OSI	11011/1		on make	DIENIS		
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	$(as mist)$ $Total dust$ $TWA = 15 mg/m^3$ $Respirable fraction$ $TWA = 5 mg/m^3$	(as mist) $TWA = 10 \text{ mg/m}^3$	Not established	Not established
Isopropyl alcohol	67-63-0 / 200-661-7	1 - 3	F / R11 Xi / R36 R67	TWA = 400 ppm, 980 mg/m ³	TWA = 200 ppm, 492 mg/m ³ STEL = 400 ppm, 984 mg/m ³	Not established	200 ppm, 500 mg/m ³
Poly(oxy-1,2-ethanediyl), .alpha,.alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne- 1,4-diyl]bis[.omegahydroxy-	9014-85-1 / Not applicable	1 - 3	Xi / R41	Not established	Not established	Not established	Not established
C.I. Direct Yellow 173	Not registered / 414-410-6	1 - 3	Xi / R41	Not established	Not established	Not established	Not established
Glycol	Confidential	5 - 10	None / None	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	60 - 80	None / None	Not established	Not established	Not established	Not established

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< Carcinogen >

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.

SECTION 3 HAZARDS IDENTIFICATION

EU Classification:

Not classified as dangerous.

Emergency Overview:

Ink tank containing yellow liquid ink with slight odor.

Combustible liquid and vapor.

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.

Eve:

May cause minimal irritation. (See SECTION 11)

Skin:

May cause mild irritation and no sensitization. (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 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

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SECTION 5 FIRE FIG	GHTING MEASURES					
Fire Fighting Measures:						
Extinguishing Media:						
CO ₂ , water, foam or dry	y chemicals					
Unsuitable Extinguishing Media: None						
Special Fire Fighting Procedures: None						
Unusual Fire and Explosion Hazards: None						
Fire and Explosive Propertie	es (See also Section 9):					
Hazardous Combustion Products: CO, CO,, NOx and SOx						
Other Properties: None						
and an	NELL DEL GLASSICO					
SECTION 6 ACCIDE	NTAL RELEASE MEASURES					
Personal Precautions: Avoid contact with skin, ey Avoid breathing vapor and						
Environmental Precautions:						
Do not release to sewer, su	urface water or ground water.					
Method for Cleaning Up:						
Wipe off with wet cloth or	paper.					
SECTION 7 HANDLI	ING AND STORAGE					
Handling:						
Avoid breathing vapor and mist.						
Use with adequate ventilation						
Avoid contact with skin, ey	yes and clothing. In case of contact, wash out the contaminated area immediately.					
Storage:						
	Keep in a cool and dry place.					
Protect from sunlight. Keep away from heat and flame.						
Specific Uses:						
Ink for Ink Jet Printer.						
For more information, please refer to the instruction of this product.						
SECTION 8 EXPOSU	TRE CONTROLS / PERSONAL PROTECTION					
Exposure Guidelines:						
Not established for this inle	k. (See also SECTION 2)					
Engineering Controls:						
Use adequate ventilation.						
Personal Protection Equipm	ent(s):					
Respiratory Protection:						
Eye/Face Protection:	☐ Required ☑ Not Required					
Skin Protection:	☐ Required ☑ Not Required					

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SECTION 9 PHYSICAL AND CH	HEMICAL PROPERTIES			
Appearance:	Yellow liquid			
Odor:	Slight odor			
pH:	10 - 11			
Boiling Point/Range(°C):	Not available			
Melting Point/Range(°C):	Not available			
Decomposition Temperature (${}^{\circ}C$):	Not available			
Flash Point(°C):	56.5 (Tag. Closed Cup. Combustion is not sustainable.)			
Flammable (Explosive) Limits:	Not available			
Autoignition Temperature (°C):	Not available			
Flammability:	Classified as "combustible liquid" under OSHA-HCS. Not classified as "flammable" or "combustible" under FHSA. Not classified as "flammable" under 1999/45/EC.			
Explosive Properties:	None			
Oxidizing Properties:	None			
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 (%):	60 - 80			
Evaporation Rate:	Not available			
Viscosity (mPa s):	1 - 3			
SECTION 10 STABILITY AND R	FACTIVITY			
	⊠ Stable			
Stability:	Unstable			
Conditions to Avoid:	None			
Materials to Avoid:	Acids, bases, oxidizing materials and reducing agents			
Hazardous Decomposition Products:	CO, CO,, NOx, SOx and Ammonia			
Hazardous Polymerization:	☐ May Occur ☑ Will Not Occur			
Conditions to Avoid:	None			

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SECTION 11 TOXICOLOGICAL INFORMATION Acute Toxicity: Inhalation:

Not available

Ingestion:

Not available

Eye:

Minimal irritant (rabbit)

OECD Guidelines No.405 (1987) 92/69/EEC Method B5

Skin:

Mild irritant (rabbit)

OECD Guidelines No.404 (1992)

92/69/EEC Method B4

Sensitization:

Non-sensitizer (guinea pig)

OECD Guidelines No.406 (1992)

92/69/EEC Method B6

Mutagenicity:

Ames test: Negative (S. typhimurium)

Reproductive Toxicity:

Not available

Carcinogenicity:

Not available

Others:

Not available

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SECTION 12	ECOLOGICAL INFORMATION					
Mobility:	Not available					
Persistence / Degradability:	Not available					
Bioaccumulation:	Not available					
Ecotoxicity:	Not available					
Other Adverse Effe	cts: Not available					
Method of Disposal	DISPOSAL CONSIDERATION: the 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 Chemical name (wt%): No					
Special Precautions	: None					
< EU Information > Information on the	Label:					
•	ation: Not required					
R-Phrase: Not required	red					
S-Phrase: Not required						
Dangerous Com None	aponent(s):					
•	ions under 1999/45/EC Annex V: eet available for professional user on request.					
Specific Provisions i	n Relation to Protection of Man or the Environment:					
76/769/EEC:	Not regulated					
(EC)2037/2000:	-					
(EC)304/2003:	Not regulated					
Others:	None					

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< USA Information >

Information on the Label under OSHA HCS:

Signal Word: Not required

Hazard warning:

COMBUSTIBLE LIQUID AND VAPOR.

VAPOR OR MIST MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.

Safety Advice:

Not required

Hazardous Component(s):

Glycerin (56-81-5) 5 - 10 % Isopropyl alcohol (67-63-0) 1 - 3 %

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>

R11: Highly flammable. R36: Irritating to eyes.

R41: Risk of serious damage to eyes.

R67: Vapours may cause drowsiness and dizziness.

<Revised information from the previous version>

Section 2, 3, 4, 7, 8, 9, 11 and 13



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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, (EC)304/2003
- 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 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.

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