

MSDS #: _ Product Code: IC1656-0101 0896B

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE

COMPANY/UNDERTAKING

Product Name: Canon Ink Tank PFI-102C

Product Code: 0896B

Company Name: Canon Inc.

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

Use of the Product: Ink for Ink Jet Printer

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
Substituted phthalocyanine	Confidential	5 - 10	Xi / R41 R52/53	Not established	Not established	Not established	Not established
Isopropyl alcohol	67-63-0 / 200-661-7	1 - 5	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
Polyethylene glycol	25322-68-3 / Not applicable	1 - 5	None / None	Not established	Not established	Not established	1000 mg/m ³
Glycol	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Heterocyclic compound	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



MSDS #: _ Product Code: IC1656-0101

0896B

< 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 cyan 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 moderate 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



MSDS #: IC1656-0101
Product Code: 0896B

SECTION 5 FIRE FIG	GHTING MEASURES				
Fire Fighting Measures:					
Extinguishing Media:					
CO ₂ , water, foam or dry chemicals					
Unsuitable Extinguishing None	g Media:				
Special Fire Fighting Pro	ocedures:				
Unusual Fire and Explos None	sion Hazards:				
Fire and Explosive Propertie	es (See also Section 9):				
Hazardous Combustion 2 CO, CO ₂ , NOx and SO					
Other Properties: None					
an annual Control	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.	ce.				
Keep away from heat and f	lame.				
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				

Page 4 of 8

Canon

MATERIAL SAFETY DATA SHEET

MSDS #: IC1656-0101
Product Code: 0896B

SECTION 9 PHYSICAL AND CH	HEMICAL PROPERTIES		
Appearance:	Cyan liquid		
Odor:	Slight odor		
pH:	7 - 10		
Boiling Point/Range(°C):	Not available		
Melting Point/Range(°C):	Not available		
Decomposition Temperature (${}^{\circ}$ C):	Not available		
Flash Point(°C):	59.3 (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:	Estimate: None		
Oxidizing Properties:	Estimate: 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 - 5		
SECTION 10 STABILITY AND R	EACTIVITY		
Stability:	■ Stable Unstable		
Conditions to Avoid:	None		
Materials to Avoid:	Acids, bases, oxidizing materials and reducing agents		
Hazardous Decomposition Products:	CO, CO ₂ , NOx and SOx		
Hazardous Polymerization:	☐ May Occur ☑ Will Not Occur		
Conditions to Avoid:	None		



MSDS #: IC1656-0101
Product Code: 0896B

SECTION 11 TOXICOLOGICAL INFORMATION **Acute Toxicity:** Inhalation: Not available **Ingestion:** Not available Eye: [Data of similar composition ink] Moderately irritating (rabbit) OECD Guidelines No.405 (2002), 2004/73/EC Method B5 Skin: [Data of similar composition ink] Mild irritant (rabbit) OECD Guidelines No.404 (2002), 2004/73/EC Method B4 **Sensitization:** [Data of similar composition ink] 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

Others:

Carcinogenicity:

Not available

Not available

Page 6 of 8

Canon

MATERIAL SAFETY DATA SHEET

MSDS #: IC1656-0101
Product Code: 0896B

CECTION 12	ECOLOGICAL INFORMATION				
	CCOLOGICAL INFORMATION				
Mobility:	Not available				
Persistence / Degradability:	Not available				
Bioaccumulation:	Not available				
Ecotoxicity:	Not available				
Other Adverse Effe	Not available Not available				
SECTION 13	DISPOSAL CONSIDERATIONS				
Method of Disposal	:				
Disposal should b	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 Chemical name (wt%): ☑ No				
Special Precautions	: None				
SECTION 15 SECTI	REGULATORY INFORMATION				
Information on the					
Symbol & Indic	eation: Not required				
R-Phrase:					
Not required					
S-Phrase:					
S-Phrase: Not required					
S-Phrase:	nponent(s):				
S-Phrase: Not required Dangerous Com Not required	ions under 1999/45/EC Annex V:				
S-Phrase: Not required Dangerous Com Not required Special Precaut					
S-Phrase: Not required Dangerous Com Not required Special Precaut Safety data sh	ions under 1999/45/EC Annex V:				
S-Phrase: Not required Dangerous Com Not required Special Precaut Safety data sh	ions under 1999/45/EC Annex V: neet available for professional user on request.				
S-Phrase: Not required Dangerous Com Not required Special Precaut Safety data sh Specific Provisions i	ions under 1999/45/EC Annex V: neet available for professional user on request. in Relation to Protection of Man or the Environment: Not regulated				
S-Phrase: Not required Dangerous Com Not required Special Precaut Safety data sh Specific Provisions i 76/769/EEC:	ions under 1999/45/EC Annex V: neet available for professional user on request. in Relation to Protection of Man or the Environment: Not regulated				
S-Phrase: Not required Dangerous Com Not required Special Precaut Safety data sh Specific Provisions i 76/769/EEC: (EC)2037/2000:	ions under 1999/45/EC Annex V: neet available for professional user on request. in Relation to Protection of Man or the Environment: Not regulated Not regulated				



MSDS #: IC1656-0101
Product Code: 0896B

< 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):

Not required

SARA Title III §313:

Chemical Name Weight %

"Copper Compounds" 5 - 10 (as Cu) (< 0.35)

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.

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

R67: Vapours may cause drowsiness and dizziness.

Date of Issue: March 15, 2006

Revised:



Page 8 of 8
MSDS #: IC1656-0101

Product Code: 0896B

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 PÈL: 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.

The information, data and recommendations set forth herein (the "Information") are presented in good faith and are believed to be correct as of the date hereof. The company/manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The Information is provided upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company/manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.