

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

Product Identifier:

Product Name: Canon Ink Tank PFI-301GY

Product Code: 1495B

Relevant Identified Uses: Ink for Ink Jet Printer

Details of Supplier of Safety Data Sheet:

Supplier: Canon USA, Inc.,

Address: One Canon Park, Melville, NY 11747, USA

Telephone Number: 1-800-OK-CANON

E-mail Address:

Emergency Telephone Number:

24 Hr. Emergency CHEMTREC # 1-800-424-9300

Manufacturer: Canon Inc.

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

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:

Ink tank containing black liquid ink with slight odor.

US Regulatory Status under OSHA HCS:

Classified as hazardous.

US Label Elements 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: Not required

EU Classification under 1999/45/EC:

Not classified as dangerous.

EU Label Elements under 1999/45/EC:

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

Dangerous Component: Not required

Applicable Label Elements in accordance with Annex V to 1999/45/EC:

Safety data sheet available for professional user on request.

Other Hazards:

None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture: Mixture

Ingredient(s):

Chemical Name/ Generic Name	CAS #/ EC #	Concentration/ Concentration Range (%)	EU Classification according to 67/548/EEC		EU Classification according to (EC) No 1272/2008		Note to Other Hazards* ²
			Symbol/ Indication of Danger	R-Phrase* ¹	Hazard Class/ Category Code	Hazard Statement* ¹	
Glycerin	56-81-5 / 200-289-5	5 - 10	None	None	None	None	(1)
Ethylene glycol	107-21-1 / 203-473-3	5 - 10	Xn / Harmful	R22	Acute Tox. 4	H302	(1)
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 / Irritant	R41	Eye Dam. 1	H318	
Carbon black	1333-86-4 / 215-609-9	1 - 5	None	None	None	None	(1)
Lactam	Confidential	5 - 10	None	None	None	None	
Water	7732-18-5 / 231-791-2	60 - 80	None	None	None	None	

*1 Full texts of R-phrase(s) and Hazard statement(s) are listed in SECTION 16

*2 The following substance(s) is (are) marked with (1), (2) and/or (3)

(1) Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)

(2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006

(3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

Carcinogen(s):

Chemical Name	CAS#	Reference
Carbon black	1333-86-4	IARC: Group 2B. NTP; OSHA; Part 3 of Annex VI to Regulation (EC) No 1272/2008: Not listed.

Except carbon black, 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.

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.

Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

Eye:

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:

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.

Skin:

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

Eye:

May cause mild irritation. (See SECTION 11)

Chronic Effects:

No adverse effects are expected under intended use of this product.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

None

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media:

CO₂, water, foam or dry chemicals

Unsuitable Extinguishing Media:

None

Special Hazards:

None

Hazardous Combustion Products:

CO, CO₂, NO_x and SO_x

Advice 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.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe 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.

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

Control Parameters:

	USA OSHA PEL	ACGIH TLV	EU OEL
Product (Ink)	Not established	Not established	Not established
Glycerin	Glycerin mist: TWA 15 mg/m ³ (Total dust) TWA 5 mg/m ³ (Respirable fraction)	Glycerin mist: TWA 10 mg/m ³	Not established
Ethylene glycol	Not established	aerosol: Ceiling 100 mg/m ³	TWA 20 ppm, 52 mg/m ³ STEL 40 ppm, 104 mg/m ³
Carbon black	TWA 3.5 mg/m ³	TWA 3 mg/m ³ (Inhalable fraction)	Not established

Exposure Controls:

Engineering Controls: No special ventilation equipment is needed under intended use of this product.

Individual Protection Measures:

Eye/Face Protection: ☐ Required ☒ Not Required

Skin Protection: ☐ Required ☒ Not Required

Respiratory Protection: ☐ Required ☒ Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance:	Black liquid
Odor:	Slight odor
pH:	8 - 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:	Neither flammable nor combustible.
Upper/Lower Flammable or Explosive Limits:	None (Estimate)
Vapor Pressure :	Not available
Vapor Density :	Not available
Relative Density:	1.0 - 1.1
Water Solubility :	Miscible
Fat Solubility :	Not available
Partition Coefficient (n-Octanol/Water):	Not available
Auto-ignition Temperature (°C):	None (Estimate)
Decomposition Temperature(°C):	Not available
Viscosity (mPa s):	1 - 5
Explosive Properties:	None (Estimate)
Oxidizing Properties:	None (Estimate)
Other Information:	Not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	None
Chemical Stability:	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
Possibility of Hazardous Reactions:	None
Conditions to Avoid:	None
Incompatible Materials:	Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products:	CO, CO ₂ , NO _x and SO _x

SECTION 11 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity:

Inhalation:

Not available

Ingestion:

Not available

Corrosivity/Irritation:

Skin:

Non-irritant (rabbit) (Estimate)

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

Eye:

Mild irritant (rabbit) (Estimate)

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

Sensitization:

Skin:

Non-sensitizer (mouse) (Estimate)

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

Repeated Dose Toxicity:

Not available

Carcinogenicity:

The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, the amount of inhalation exposure to powdered carbon black is negligible under intended use of this product.

Mutagenicity:

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

Toxicity for Reproduction:

Not available

Other Information:

Not available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
Results of PBT and vPvB Assessment:	No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.
Other Adverse Effects:	Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Disposal should be subject to federal, state and local laws.
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SECTION 14 TRANSPORT INFORMATION

UN Number:	None
UN Proper Shipping Name:	None
Transport Hazard Class:	None
Packing Group:	None
Environmental Hazards:	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
Special Precautions for User:	None

SECTION 15 REGULATORY INFORMATION

< USA Information >

SARA Title III §313:	
Chemical Name	Weight %
"Ethylene glycol" (107-21-1)	5 - 10
California Proposition 65:	
Chemical Name	Weight %
None	

< EU Information >

Safety, Health and Environmental Regulations/Legislation:

(EC) No 1907/2006: Authorisation:	Not regulated
Restriction:	Not regulated
(EC) No 1005/2009:	Not regulated
(EC) No 850/2004:	Not regulated
(EC) No 689/2008:	Not regulated
Others:	None

Chemical Safety Assessment under (EC) No 1907/2006: Not required

< 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

<EU R-phrase according to 67/548/EEC>

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

<EU Hazard statement according to (EC) No 1272/2008>

H302: Harmful if swallowed.

H318: Causes serious eye damage.

<Revised information from the previous version>

Entirely revised

<Term explanation>

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

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
- EU Directive 1999/45/EC
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EC) No 689/2008
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008]

Abbreviations:

OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
 FHSA: Federal Hazardous Substances Act (USA)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 SVHC: Substances of Very High Concern
 IARC: International Agency for Research on Cancer
 NTP: National Toxicology Program (USA)
 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 OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU
 TWA: Time Weighted Average
 STEL: Short Term Exposure Limit
 WHMIS: Workplace Hazardous Materials Information System
 NOHSC: National Occupational Health and Safety Commission

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