

MATERIAL SAFETY DATA SHEET

Page 1 of 8 MSDS #: IC1282-0101 Product Code: 0957A / F47-0761

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
Canon Ink Cartridge BCI-11Black
0957A / F47-0761
Canon Europa N.V.
Bovenkerkerweg 59-61, 1185XB, Amstelveen, The Netherlands
Ink for Ink Jet Printer

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

SECTION 2	COMI ODI			UNINOREDIE			
< 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	2 - 6	None / None	(as mist) Total dust TWA = 15 mg/m ³ Respirable fraction TWA = 5 mg/m ³	(as mist) TWA = 10 mg/m ³	Not established	Not established
Ethylene glycol	107-21-1 / 203-473-3	2 - 6	Xn / R22	Not established	(aerosol) Ceiling = 100 mg/m ³	TWA = 20 ppm, 52 mg/m ³ STEL = 40 ppm, 104 mg/m ³	10 ppm, 26 mg/m ³
Isopropyl alcohol	67-63-0 / 200-661-7	2 - 6	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
Ammonia derivative	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-79-12	65 - 85	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 Annex I to Directive 67/548/EEC.

SECTION 3 HAZARDS IDENTIFICATION

EU Classification:

Not classified as dangerous.

Emergency Overview:

Ink cartridge containing black liquid ink with slight odor.

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 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:

CO₂, 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, CO₂ and NOx

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:

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 away from heat and flame. 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 2)

Engineering Controls:

Use adequate ventilation.

Personal Protection Equipment(s):

Required
Not Required
Required
Not Required
Required
Not Required



SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid **Odor:** Slight odor pH: 9.5 - 10.5 **Boiling Point/Range(°C):** Not available Melting Point/Range(°C): Not available **Decomposition Temperature(°C):** Not available Flash Point(°C): 49.0 (Tag Closed Cup. Combustion is not sustainable.) Flammable (Explosive) Limits: Not available Autoignition Temperature(°C): Estimate : 510 - 520 (ASTM-E659) 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:** 1.04 - 1.10 Water Solubility : Miscible **Fat Solubility :** Not available Partition Coefficient (n-Octanol/Water): Not available **Percent Volatile (%):** 65 - 85 **Evaporation Rate:** Not available Viscosity (mPa s): 1.5 - 2.1 SECTION 10 STABILITY AND REACTIVITY **Stability:** X Stable Unstable **Conditions to Avoid:** None Materials to Avoid: Acids, bases, oxidizing materials and reducing agents **Hazardous Decomposition Products:** CO, CO₂, NOx and Ammonia **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, Maximum Group Mean Score = 2.7, Class 3 (rabbit)
OECD Guidelines No.405 (1987)
92/69/EEC Method B5
Skin:
Non irritant, Primary Irritation Index $= 0.0$ (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)
Reproductive Toxicity:
Not available
Carcinogenicity:
Not available
Others:
Not available



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SECTION 12 E	COLOGICAL INFORMATION
Mobility:	Not available
Persistence / Degradability:	Not available
Bioaccumulation:	Not available
Ecotoxicity:	Not available
Other Adverse Effect	ts: Not available
Method of Disposal:	DISPOSAL CONSIDERATION be subject to federal, state and local laws.
SECTION 14 T	RANSPORT 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 R < EU Information >	EGULATORY INFORMATION
Information on the La	
Symbol & Indicat R-Phrase:	ion: Not required
Not required	
S-Phrase: Not required	
Dangerous Comp	ponent(s):
Special Precautio	ons under 1999/45/EC Annex V:
Not required	
-	Relation to Protection of Man or the Environment:
76/769/EEC:	Not regulated
(EC)2037/2000:	Not regulated
(EC)304/2003:	Not regulated
Others:	None



< USA Information >

Signal Word: Not required		
Hazard warning:		
Not required		
Safety Advice:		
Not required		
Hazardous Component(s):		
None		
SARA Title III §313:		
Chemical Name		Weight %
"Ethylene glycol" (107-21-1)		2 - 6
California Proposition 65:		1
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 crit	eria of NOHSC.
SECTION 16 OTHER INFORM		
SECTION 16 OTHER INFORM	IATION	
<r list="" phrase=""></r>		
R11 : Highly flammable.		
R22 : Harmful if swallowed.		
R36 : Irritating to eyes.		
R67 : Vapours may cause drowsin	and distinger	

<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, (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 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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