

Issuing date : 11-Apr-2016  
 Revision date : -

SDS # : ICW 1287 N - 01 EU EN  
 Version : 01

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

**Product name** Canon Ink Bottle GI-590 < M >  
**Product Code(s)** 1605C

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use** Ink for Ink Jet Printer

**1.3. Details of the supplier of the safety data sheet**

**Supplier**  
 Importer  
 Canon Europa N.V.  
 Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
 +31 20 5458545, +31 20 5458222  
 www.canon-europe.com, ceu-Reach@canon-europe.com

**Manufacturer**  
 Canon Inc.  
 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

**1.4. Emergency Telephone Number**

<b>Austria</b>	+43 (0) 1 406 43 43	<b>Belgium</b>	+32 (0) 70 245 245
<b>Bulgaria</b>	112	<b>Croatia</b>	+385 (0)1-23-48-342
<b>Cyprus</b>	1401	<b>Czech Republic</b>	+420 224919293
<b>Denmark</b>	+45 82 12 12 12 [*1]	<b>Estonia</b>	16662
<b>Finland</b>	+358 (0)9 471977	<b>France</b>	+33 (0)1 45 42 59 59
<b>Greece</b>	+30 210 7793777	<b>Hungary</b>	+36 80 20 11 99
<b>Italy</b>	+39 (0)55 7947819	<b>Latvia</b>	+371 67042473
<b>Lithuania</b>	+370 687 53378	<b>Luxembourg</b>	112
<b>Malta</b>	112	<b>Netherlands</b>	+31 (0)30-2748888 [*2]
<b>Poland</b>	112	<b>Portugal</b>	+351 808 250 143
<b>Romania</b>	+40 21 318 36 06	<b>Slovakia</b>	+421 2 5477 4166
<b>Slovenia</b>	112	<b>Spain</b>	112
<b>Sweden</b>	112 [*3]	<b>United Kingdom</b>	111 (UK only)
<b>Iceland</b>	112	<b>Liechtenstein</b>	145
<b>Norway</b>	+47 22 59 13 00	<b>Switzerland</b>	145

\*1 Kontakt Gifflinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.  
 \*2 Only for the purpose of informing medical personnel in cases of acute intoxications.  
 \*3 Ask for Poison Information

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**  
 Not classified

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
 Not classified

**2.2. Label Elements****Labelling according to Regulation (EC) No 1272/2008**

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Contains less than 30% of components with unknown hazards to the aquatic environment.

**Hazard pictograms**

Not required

**Signal word**

Not required

**Hazard statements**

Not required

**Precautionary Statements - EU (§28, 1272/2008)**

Not required

**Other Information**

Labelling according to Regulation (EU) No 528/2012

Contains a preservative to control microbial deterioration.

**2.3. Other Hazards**

None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (67/548)	Indication of danger	Classification (Reg. 1272/2008)
Glycerin	56-81-5	200-289-5	None	5 - 10	None	None	None
Ethylene urea	120-93-4	204-436-4	None	1 - 5	Xi; R36	Xi - Irritant	Eye Irrit. 2 (H319)
Poly(oxy-1,2-ethane diyl), .alpha.,.alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-but yne-1,4-diyl]bis[.omega.-hydroxy-	9014-85-1	None	None	1 - 5	Xi; R41	Xi - Irritant	Eye Dam. 1 (H318)
Glycol	CBI	CBI	None	5 - 10	None	None	None
Water	7732-18-5	231-791-2	None	60 - 80	None	None	None

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**

Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately.

**Skin Contact**

Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**

Flush with plenty of water. Get medical attention immediately if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>Inhalation</b>	None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<b>Ingestion</b>	None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Skin Contact</b>	None under normal use.
<b>Eye Contact</b>	None under normal use. May cause slight irritation.
<b>Chronic Effects</b>	None under normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Use CO<sub>2</sub>, dry chemical, or foam, Water.**Unsuitable extinguishing media**

None

**5.2. Special hazards arising from the substance or mixture****Special Hazard**

None

**Hazardous combustion products**Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

None

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

**6.2. Environmental Precautions**

Keep out of waterways.

**6.3. Methods and material for containment and cleaning up**

Wipe up with adsorbent material (e.g. cloth, fleece).

**6.4. Reference to other sections**

None

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition. Store upright and ensure that the cap of the bottle is tightly closed in order to avoid leakage or spillage of the ink.

**7.3. Specific end uses**

Ink for Ink Jet Printer. Obtain special instructions before use.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Glycerin 56-81-5	None	None	TWA: 10 mg/m <sup>3</sup>	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup>	None	TWA: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	DFG TWA: 200 mg/m <sup>3</sup> inhalable fraction Ceiling / Peak: 400 mg/m <sup>3</sup> inhalable fraction
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	None	TWA: 10 mg/m <sup>3</sup> mist STEL: 30 mg/m <sup>3</sup> mist	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> inhalable fraction	TWA: 10 mg/m <sup>3</sup> mist	None	None	TWA: 10 mg/m <sup>3</sup> mist
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m <sup>3</sup> mist	None	TWA: 50 mg/m <sup>3</sup> inhalable dust STEL: 100 mg/m <sup>3</sup> inhalable dust	None

**8.2. Exposure controls**

**Appropriate engineering controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face Protection</b>	Not required under normal use.
<b>Skin Protection</b>	Not required under normal use.
<b>Respiratory Protection</b>	Not required under normal use.
<b>Thermal hazards</b>	Not Applicable

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Magenta ; Liquid
<b>Odor</b>	Slight odor
<b>Odor threshold</b>	No data available
<b>pH</b>	7 - 8

Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	None; estimated
Evaporation Rate	No data available
Flammability (solid, gas)	Not Applicable
Flammability Limits in Air	
Upper Flammability Limit	None; estimated
Lower Flammability Limit	None; estimated
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.0 - 1.1
Solubility(ies)	Water; miscible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	None; estimated
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	1 - 5
Explosive properties	None; estimated
Oxidizing properties	None; estimated

#### 9.2. Other Information

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None

#### 10.2. Chemical stability

Stable

#### 10.3. Possibility of Hazardous Reactions

None

#### 10.4. Conditions to Avoid

None

#### 10.5. Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

#### 10.6. Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Non-irritant (Estimate) (OECD Guideline)
Serious eye damage/eye irritation	Moderate irritant (Estimate) (OECD Guideline)
Sensitization	Non-sensitizer (Estimate) (OECD Guideline)

<b>Germ cell mutagenicity</b>	Ames test: Negative
<b>Carcinogenicity</b>	No data available
<b>Reproductive Toxicity</b>	No data available
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Other Information</b>	No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity effects**  
No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

<b><u>14.1. UN number</u></b>	None
<b><u>14.2. UN Proper Shipping Name</u></b>	None
<b><u>14.3. Transport Hazard Class</u></b>	None
<b><u>14.4. Packing Group</u></b>	None

**14.5. Environmental Hazards** No special environmental precautions required.

**14.6. Special Precautions for users** None

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not Applicable

## SECTION 15: Regulatory information

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>(EC) No 1907/2006 Authorisation</b>	Not regulated
<b>(EC) No 1907/2006 Restriction</b>	Not regulated
<b>(EC) No 1005/2009</b>	Not regulated
<b>(EC) No 850/2004</b>	Not regulated
<b>(EU) No 649/2012</b>	Not regulated
<b>Other Information</b>	None

### **15.2. Chemical safety assessment**

None

## SECTION 16: Other information

### **Full text of R-phrases referred to under sections 2 and 3**

R36 - Irritating to eyes

R41 - Risk of serious damage to eyes

### **Full text of H-Statements referred to under sections 2 and 3**

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

### **Key literature references and sources for data**

- 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, (EU) No 649/2012

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- 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
- CBI: Confidential Business Information

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**Revision Note** None

**This safety data sheet (SDS) is supplied under (EC) No 1907/2006 Article 31-3.**

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1605C

Canon Ink Bottle GI-590 < M >

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**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

**Product name** Canon Ink Bottle GI-590 < Y >  
**Product Code(s)** 1606C

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use** Ink for Ink Jet Printer

**1.3. Details of the supplier of the safety data sheet**

**Supplier**  
 Importer  
 Canon Europa N.V.  
 Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
 +31 20 5458545, +31 20 5458222  
 www.canon-europe.com, ceu-Reach@canon-europe.com

**Manufacturer**  
 Canon Inc.  
 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

**1.4. Emergency Telephone Number**

<b>Austria</b>	+43 (0) 1 406 43 43	<b>Belgium</b>	+32 (0) 70 245 245
<b>Bulgaria</b>	112	<b>Croatia</b>	+385 (0)1-23-48-342
<b>Cyprus</b>	1401	<b>Czech Republic</b>	+420 224919293
<b>Denmark</b>	+45 82 12 12 12 [*1]	<b>Estonia</b>	16662
<b>Finland</b>	+358 (0)9 471977	<b>France</b>	+33 (0)1 45 42 59 59
<b>Greece</b>	+30 210 7793777	<b>Hungary</b>	+36 80 20 11 99
<b>Italy</b>	+39 (0)55 7947819	<b>Latvia</b>	+371 67042473
<b>Lithuania</b>	+370 687 53378	<b>Luxembourg</b>	112
<b>Malta</b>	112	<b>Netherlands</b>	+31 (0)30-2748888 [*2]
<b>Poland</b>	112	<b>Portugal</b>	+351 808 250 143
<b>Romania</b>	+40 21 318 36 06	<b>Slovakia</b>	+421 2 5477 4166
<b>Slovenia</b>	112	<b>Spain</b>	112
<b>Sweden</b>	112 [*3]	<b>United Kingdom</b>	111 (UK only)
<b>Iceland</b>	112	<b>Liechtenstein</b>	145
<b>Norway</b>	+47 22 59 13 00	<b>Switzerland</b>	145

\*1 Kontakt Giftnlinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.  
 \*2 Only for the purpose of informing medical personnel in cases of acute intoxications.  
 \*3 Ask for Poison Information

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**  
 Not classified

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
 Not classified

**2.2. Label Elements****Labelling according to Regulation (EC) No 1272/2008**

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Contains less than 30% of components with unknown hazards to the aquatic environment.

**Hazard pictograms**

Not required

**Signal word**

Not required

**Hazard statements**

Not required

**Precautionary Statements - EU (§28, 1272/2008)**

Not required

**Other Information**

Labelling according to Regulation (EU) No 528/2012

Contains a preservative to control microbial deterioration.

**2.3. Other Hazards**

None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (67/548)	Indication of danger	Classification (Reg. 1272/2008)
Glycerin	56-81-5	200-289-5	None	5 - 10	None	None	None
Ethylene urea	120-93-4	204-436-4	None	1 - 5	Xi; R36	Xi - Irritant	Eye Irrit. 2 (H319)
Water	7732-18-5	231-791-2	None	60 - 80	None	None	None

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**

Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately.

**Skin Contact**

Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**

Flush with plenty of water. Get medical attention immediately if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed****Inhalation**

None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion**

None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin Contact** None under normal use.  
**Eye Contact** None under normal use. May cause slight irritation.  
**Chronic Effects** None under normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**  
Use CO<sub>2</sub>, dry chemical, or foam, Water.

**Unsuitable extinguishing media**  
None

**5.2. Special hazards arising from the substance or mixture**

**Special Hazard**  
None

**Hazardous combustion products**  
Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**  
None

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

**6.2. Environmental Precautions**

Keep out of waterways.

**6.3. Methods and material for containment and cleaning up**

Wipe up with adsorbent material (e.g. cloth, fleece).

**6.4. Reference to other sections**

None

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition. Store upright and ensure that the cap of the bottle is tightly closed in order to avoid leakage or spillage of the ink.

### 7.3. Specific end uses

Ink for Ink Jet Printer. Obtain special instructions before use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Glycerin 56-81-5	None	None	TWA: 10 mg/m <sup>3</sup>	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup>	None	TWA: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	DFG TWA: 200 mg/m <sup>3</sup> inhalable fraction Ceiling / Peak: 400 mg/m <sup>3</sup> inhalable fraction
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	None	TWA: 10 mg/m <sup>3</sup> mist STEL: 30 mg/m <sup>3</sup> mist	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> inhalable fraction	TWA: 10 mg/m <sup>3</sup> mist	None	None	TWA: 10 mg/m <sup>3</sup> mist
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m <sup>3</sup> mist	None	TWA: 50 mg/m <sup>3</sup> inhalable dust STEL: 100 mg/m <sup>3</sup> inhalable dust	None

### 8.2. Exposure controls

**Appropriate engineering controls** None under normal use conditions.

#### Individual protection measures, such as personal protective equipment

<b>Eye/face Protection</b>	Not required under normal use.
<b>Skin Protection</b>	Not required under normal use.
<b>Respiratory Protection</b>	Not required under normal use.
<b>Thermal hazards</b>	Not Applicable

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Yellow ; Liquid
<b>Odor</b>	Slight odor
<b>Odor threshold</b>	No data available
<b>pH</b>	7 - 9
<b>Melting/Freezing point (°C)</b>	No data available
<b>Boiling Point/Range (°C)</b>	No data available
<b>Flash Point (°C)</b>	None; estimated
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Flammability Limits in Air</b>	
<b>Upper Flammability Limit</b>	None; estimated
<b>Lower Flammability Limit</b>	None; estimated

Vapor pressure	No data available
Vapor density	No data available
Relative density	1.0 - 1.1
Solubility(ies)	Water; miscible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	None; estimated
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	1 - 5
Explosive properties	None; estimated
Oxidizing properties	None; estimated

### 9.2. Other Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable

### 10.3. Possibility of Hazardous Reactions

None

### 10.4. Conditions to Avoid

None

### 10.5. Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

### 10.6. Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Non-irritant (OECD Guideline)
Serious eye damage/eye irritation	Minimal irritant (OECD Guideline)
Sensitization	Non-sensitizer (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative
Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOT - single exposure	No data available

**STOT - repeated exposure** No data available  
**Aspiration hazard** No data available  
**Other Information** No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity effects**  
No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

**14.1. UN number** None  
**14.2. UN Proper Shipping Name** None  
**14.3. Transport Hazard Class** None  
**14.4. Packing Group** None  
**14.5. Environmental Hazards** No special environmental precautions required.  
**14.6. Special Precautions for users** None  
**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not Applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

(EC) No 1907/2006 Authorisation	Not regulated
(EC) No 1907/2006 Restriction	Not regulated
(EC) No 1005/2009	Not regulated
(EC) No 850/2004	Not regulated
(EU) No 649/2012	Not regulated
Other Information	None

**15.2. Chemical safety assessment**

None

**SECTION 16: Other information****Full text of R-phrases referred to under sections 2 and 3**

R36 - Irritating to eyes

**Full text of H-Statements referred to under sections 2 and 3**

H319 - Causes serious eye irritation

**Key literature references and sources for data**

- 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, (EU) No 649/2012

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- 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
- CBI: Confidential Business Information

Issuing date : 11-Apr-2016

Revision date : -

Revision Note : None

This safety data sheet (SDS) is supplied under (EC) No 1907/2006 Article 31-3.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Issuing date : 11-Apr-2016  
 Revision date : -

SDS # : ICW 1285 N - 01 EU EN  
 Version : 01

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

**Product name** Canon Ink Bottle GI-590 < BK >  
**Product Code(s)** 1603C

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use** Ink for Ink Jet Printer

**1.3. Details of the supplier of the safety data sheet**

**Supplier**  
 Importer  
 Canon Europa N.V.  
 Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
 +31 20 5458545, +31 20 5458222  
 www.canon-europe.com, ceu-Reach@canon-europe.com

**Manufacturer**  
 Canon Inc.  
 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

**1.4. Emergency Telephone Number**

<b>Austria</b>	+43 (0) 1 406 43 43	<b>Belgium</b>	+32 (0) 70 245 245
<b>Bulgaria</b>	112	<b>Croatia</b>	+385 (0)1-23-48-342
<b>Cyprus</b>	1401	<b>Czech Republic</b>	+420 224919293
<b>Denmark</b>	+45 82 12 12 12 [ <sup>*1</sup> ]	<b>Estonia</b>	16662
<b>Finland</b>	+358 (0)9 471977	<b>France</b>	+33 (0)1 45 42 59 59
<b>Greece</b>	+30 210 7793777	<b>Hungary</b>	+36 80 20 11 99
<b>Italy</b>	+39 (0)55 7947819	<b>Latvia</b>	+371 67042473
<b>Lithuania</b>	+370 687 53378	<b>Luxembourg</b>	112
<b>Malta</b>	112	<b>Netherlands</b>	+31 (0)30-2748888 [ <sup>*2</sup> ]
<b>Poland</b>	112	<b>Portugal</b>	+351 808 250 143
<b>Romania</b>	+40 21 318 36 06	<b>Slovakia</b>	+421 2 5477 4166
<b>Slovenia</b>	112	<b>Spain</b>	112
<b>Sweden</b>	112 [ <sup>*3</sup> ]	<b>United Kingdom</b>	111 (UK only)
<b>Iceland</b>	112	<b>Liechtenstein</b>	145
<b>Norway</b>	+47 22 59 13 00	<b>Switzerland</b>	145

\*1 Kontakt Gifflinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.  
 \*2 Only for the purpose of informing medical personnel in cases of acute intoxications.  
 \*3 Ask for Poison Information

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**  
 Not classified

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
 Not classified



**2.2. Label Elements****Labelling according to Regulation (EC) No 1272/2008**

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Contains less than 30% of components with unknown hazards to the aquatic environment.

**Hazard pictograms**

Not required

**Signal word**

Not required

**Hazard statements**

Not required

**Precautionary Statements - EU (§28, 1272/2008)**

Not required

**Other Information**

Labelling according to Regulation (EU) No 528/2012

Contains a preservative to control microbial deterioration.

**2.3. Other Hazards**

None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (67/548)	Indication of danger	Classification (Reg. 1272/2008)
Glycerin	56-81-5	200-289-5	None	5 - 10	None	None	None
Carbon black	1333-86-4	215-609-9	None	1 - 5	None	None	None
Glycol	CBI	CBI	None	10 - 15	None	None	None
Lactam	CBI	CBI	None	5 - 10	None	None	None
Water	7732-18-5	231-791-2	None	60 - 80	None	None	None

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**

Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately.

**Skin Contact**

Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**

Flush with plenty of water. Get medical attention immediately if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed****Inhalation**

None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion**

None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin Contact** None under normal use.  
**Eye Contact** None under normal use. May cause slight irritation.  
**Chronic Effects** None under normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**  
Use CO<sub>2</sub>, dry chemical, or foam, Water.

**Unsuitable extinguishing media**  
None

**5.2. Special hazards arising from the substance or mixture**

**Special Hazard**  
None

**Hazardous combustion products**  
Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**  
None

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

**6.2. Environmental Precautions**

Keep out of waterways.

**6.3. Methods and material for containment and cleaning up**

Wipe up with adsorbent material (e.g. cloth, fleece).

**6.4. Reference to other sections**

None

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition. Store upright and ensure that the cap of the bottle is tightly closed in order to avoid leakage or spillage of the ink.

**7.3. Specific end uses**

Ink for Ink Jet Printer. Obtain special instructions before use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits**

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Glycerin 56-81-5	None	None	TWA: 10 mg/m <sup>3</sup>	None	None
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m <sup>3</sup>	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup>	None	TWA: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	DFG TWA: 200 mg/m <sup>3</sup> inhalable fraction Ceiling / Peak: 400 mg/m <sup>3</sup> inhalable fraction
Carbon black 1333-86-4	TWA: 2.0 mg/m <sup>3</sup> dust	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	None	TWA: 10 mg/m <sup>3</sup> mist STEL: 30 mg/m <sup>3</sup> mist	None	None
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	None	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> inhalable fraction	TWA: 10 mg/m <sup>3</sup> mist	None	None	TWA: 10 mg/m <sup>3</sup> mist
Carbon black 1333-86-4	TWA: 4.0 mg/m <sup>3</sup> total inhalable dust	TWA: 3.5 mg/m <sup>3</sup>	None	TWA: 2 mg/m <sup>3</sup> respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m <sup>3</sup> respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m <sup>3</sup> total aerosol	TWA: 3.5 mg/m <sup>3</sup>
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m <sup>3</sup> mist	None	TWA: 50 mg/m <sup>3</sup> inhalable dust STEL: 100 mg/m <sup>3</sup> inhalable dust	None
Carbon black 1333-86-4	TLV: 3 mg/m <sup>3</sup> total dust	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 3.5 mg/m <sup>3</sup>	None	None

**8.2. Exposure controls**

**Appropriate engineering controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Not required under normal use.  
**Skin Protection** Not required under normal use.  
**Respiratory Protection** Not required under normal use.  
**Thermal hazards** Not Applicable

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Black ; Liquid
Odor	Slight odor
Odor threshold	No data available
pH	7 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	None; estimated
Evaporation Rate	No data available
Flammability (solid, gas)	Not Applicable
Flammability Limits in Air	
Upper Flammability Limit	None; estimated
Lower Flammability Limit	None; estimated
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.0 - 1.1
Solubility(ies)	Water; miscible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	None; estimated
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	1 - 5
Explosive properties	None; estimated
Oxidizing properties	None; estimated

### 9.2. Other Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable

### 10.3. Possibility of Hazardous Reactions

None

### 10.4. Conditions to Avoid

None

### 10.5. Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents.

### 10.6. Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Non-irritant (OECD Guideline)
<b>Serious eye damage/eye irritation</b>	Mild irritant (OECD Guideline)
<b>Sensitization</b>	Non-sensitizer (OECD Guideline)
<b>Germ cell mutagenicity</b>	Ames test: Negative
<b>Carcinogenicity</b>	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.
<b>Reproductive Toxicity</b>	No data available
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Other Information</b>	No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Ecotoxicity effects**

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

<b>14.1. UN number</b>	None
<b>14.2. UN Proper Shipping Name</b>	None
<b>14.3. Transport Hazard Class</b>	None
<b>14.4. Packing Group</b>	None
<b>14.5. Environmental Hazards</b>	No special environmental precautions required.
<b>14.6. Special Precautions for users</b>	None
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

(EC) No 1907/2006 Authorisation	Not regulated
(EC) No 1907/2006 Restriction	Not regulated
(EC) No 1005/2009	Not regulated
(EC) No 850/2004	Not regulated
(EU) No 649/2012	Not regulated
Other Information	None

### 15.2. Chemical safety assessment

None

## SECTION 16: Other information

### Key literature references and sources for data

- 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, (EU) No 649/2012

### Key or legend to abbreviations and acronyms used in the safety data sheet

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- 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
- CBI: Confidential Business Information

**Issuing date :** 11-Apr-2016

**Revision date :** -

**Revision Note** None

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Issuing date : 11-Apr-2016  
 Revision date : -

SDS # : ICW 1286 N - 01 EU EN  
 Version : 01

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product Identifier**

**Product name** Canon Ink Bottle GI-590 < C >  
**Product Code(s)** 1604C

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use** Ink for Ink Jet Printer

**1.3. Details of the supplier of the safety data sheet**

**Supplier**  
 Importer  
 Canon Europa N.V.  
 Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
 +31 20 5458545, +31 20 5458222  
 www.canon-europe.com, ceu-Reach@canon-europe.com

**Manufacturer**  
 Canon Inc.  
 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

**1.4. Emergency Telephone Number**

<b>Austria</b>	+43 (0) 1 406 43 43	<b>Belgium</b>	+32 (0) 70 245 245
<b>Bulgaria</b>	112	<b>Croatia</b>	+385 (0)1-23-48-342
<b>Cyprus</b>	1401	<b>Czech Republic</b>	+420 224919293
<b>Denmark</b>	+45 82 12 12 12 [*1]	<b>Estonia</b>	16662
<b>Finland</b>	+358 (0)9 471977	<b>France</b>	+33 (0)1 45 42 59 59
<b>Greece</b>	+30 210 7793777	<b>Hungary</b>	+36 80 20 11 99
<b>Italy</b>	+39 (0)55 7947819	<b>Latvia</b>	+371 67042473
<b>Lithuania</b>	+370 687 53378	<b>Luxembourg</b>	112
<b>Malta</b>	112	<b>Netherlands</b>	+31 (0)30-2748888 [*2]
<b>Poland</b>	112	<b>Portugal</b>	+351 808 250 143
<b>Romania</b>	+40 21 318 36 06	<b>Slovakia</b>	+421 2 5477 4166
<b>Slovenia</b>	112	<b>Spain</b>	112
<b>Sweden</b>	112 [*3]	<b>United Kingdom</b>	111 (UK only)
<b>Iceland</b>	112	<b>Liechtenstein</b>	145
<b>Norway</b>	+47 22 59 13 00	<b>Switzerland</b>	145

\*1 Kontakt Gifflinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.  
 \*2 Only for the purpose of informing medical personnel in cases of acute intoxications.  
 \*3 Ask for Poison Information

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**  
 Not classified

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
 Not classified



**2.2. Label Elements****Labelling according to Regulation (EC) No 1272/2008**

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Contains less than 30% of components with unknown hazards to the aquatic environment.

**Hazard pictograms**

Not required

**Signal word**

Not required

**Hazard statements**

Not required

**Precautionary Statements - EU (§28, 1272/2008)**

Not required

**Other Information**

Labelling according to Regulation (EU) No 528/2012

Contains a preservative to control microbial deterioration.

**2.3. Other Hazards**

None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (67/548)	Indication of danger	Classification (Reg. 1272/2008)
Glycerin	56-81-5	200-289-5	None	5 - 10	None	None	None
Ethylene urea	120-93-4	204-436-4	None	1 - 5	Xi; R36	Xi - Irritant	Eye Irrit. 2 (H319)
Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, aminosulfonyl sulfo derivs., sodium salts	90295-11-7	291-001-7	CBI	1 - 5	Xi; R41	Xi - Irritant	Eye Dam. 1 (H318)
Glycol	CBI	CBI	None	5 - 10	None	None	None
Water	7732-18-5	231-791-2	None	60 - 80	None	None	None

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**

Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately.

**Skin Contact**

Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.

**Eye Contact**

Flush with plenty of water. Get medical attention immediately if symptoms occur.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<b>Ingestion</b>	None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Skin Contact</b>	None under normal use.
<b>Eye Contact</b>	None under normal use. May cause slight irritation.
<b>Chronic Effects</b>	None under normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

None

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

**Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam, Water.

**Unsuitable extinguishing media**

None

#### 5.2. Special hazards arising from the substance or mixture

**Special Hazard**

None

**Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

#### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters**

None

### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

#### 6.2. Environmental Precautions

Keep out of waterways.

#### 6.3. Methods and material for containment and cleaning up

Wipe up with adsorbent material (e.g. cloth, fleece).

#### 6.4. Reference to other sections

None

### **SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition. Store upright and ensure that the cap of the bottle is tightly closed in order to avoid leakage or spillage of the ink.

**7.3. Specific end uses**

Ink for Ink Jet Printer. Obtain special instructions before use.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Glycerin 56-81-5	None	None	TWA: 10 mg/m <sup>3</sup>	None	None
Copper, [29H,31H-phthalocyaninato( 2-)-N29,N30,N31,N32]-, aminosulfonyl sulfo derivs., sodium salts 90295-11-7	None	TWA: 1 mg/m <sup>3</sup> inhalable fraction STEL: 4 mg/m <sup>3</sup> inhalable fraction	None	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup>	None	TWA: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	DFG TWA: 200 mg/m <sup>3</sup> inhalable fraction Ceiling / Peak: 400 mg/m <sup>3</sup> inhalable fraction
Copper, [29H,31H-phthalocyaninato( 2-)-N29,N30,N31,N32]-, aminosulfonyl sulfo derivs., sodium salts 90295-11-7	None	None	TWA: 1 mg/m <sup>3</sup>	None	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	None	TWA: 10 mg/m <sup>3</sup> mist STEL: 30 mg/m <sup>3</sup> mist	None	None
Copper, [29H,31H-phthalocyaninato( 2-)-N29,N30,N31,N32]-, aminosulfonyl sulfo derivs., sodium salts 90295-11-7	None	STEL: 4 mg/m <sup>3</sup>	None	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> inhalable fraction	TWA: 10 mg/m <sup>3</sup> mist	None	None	TWA: 10 mg/m <sup>3</sup> mist
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m <sup>3</sup> mist	None	TWA: 50 mg/m <sup>3</sup> inhalable dust STEL: 100 mg/m <sup>3</sup> inhalable dust	None

**8.2. Exposure controls**

**Appropriate engineering controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

Eye/face Protection	Not required under normal use.
Skin Protection	Not required under normal use.
Respiratory Protection	Not required under normal use.
Thermal hazards	Not Applicable

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	Cyan ; Liquid
Odor	Slight odor
Odor threshold	No data available
pH	7 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	None; estimated
Evaporation Rate	No data available
Flammability (solid, gas)	Not Applicable
Flammability Limits in Air	
Upper Flammability Limit	None; estimated
Lower Flammability Limit	None; estimated
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.0 - 1.1
Solubility(ies)	Water; miscible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	None; estimated
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	1 - 5
Explosive properties	None; estimated
Oxidizing properties	None; estimated

**9.2. Other Information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None

**10.2. Chemical stability**

Stable

**10.3. Possibility of Hazardous Reactions**

None

**10.4. Conditions to Avoid**

None

**10.5. Incompatible materials**

Acids, Bases, Oxidizing agents, Reducing agents.

**10.6. Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Non-irritant (OECD Guideline)
<b>Serious eye damage/eye irritation</b>	Minimal irritant (OECD Guideline)
<b>Sensitization</b>	Non-sensitizer (OECD Guideline)
<b>Germ cell mutagenicity</b>	Ames test: Negative
<b>Carcinogenicity</b>	No data available
<b>Reproductive Toxicity</b>	No data available
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Other Information</b>	No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Ecotoxicity effects**

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with local regulations.

## SECTION 14: Transport information

<b>14.1. UN number</b>	None
<b>14.2. UN Proper Shipping Name</b>	None
<b>14.3. Transport Hazard Class</b>	None
<b>14.4. Packing Group</b>	None
<b>14.5. Environmental Hazards</b>	No special environmental precautions required.
<b>14.6. Special Precautions for users</b>	None
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

(EC) No 1907/2006 Authorisation	Not regulated
(EC) No 1907/2006 Restriction	Not regulated
(EC) No 1005/2009	Not regulated
(EC) No 850/2004	Not regulated
(EU) No 649/2012	Not regulated
Other Information	None

### 15.2. Chemical safety assessment

None

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

R36 - Irritating to eyes

R41 - Risk of serious damage to eyes

### Full text of H-Statements referred to under sections 2 and 3

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

### Key literature references and sources for data

- 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, (EU) No 649/2012

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Canon Ink Bottle GI-590 < C >

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**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- 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
- CBI: Confidential Business Information

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Revision Note None

This safety data sheet (SDS) is supplied under (EC) No 1907/2006 Article 31-3.

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