

Issuing date : 15-Dec-2010
Revision date : 16-Dec-2016

SDS # : ICW 0784 R - 02 EU EN
Version : 04

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29MBK
Product Code(s) 4868B

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

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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	10 - 15	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ 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	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)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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

<u>14.1. UN number</u>	None
<u>14.2. UN Proper Shipping Name</u>	None
<u>14.3. Transport Hazard Class</u>	None
<u>14.4. Packing Group</u>	None
<u>14.5. Environmental Hazards</u>	No special environmental precautions required.
<u>14.6. Special Precautions for users</u>	IATA: Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010

Revision date : 16-Dec-2016

Revision Note Entirely revised

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 : 15-Dec-2010
Revision date : 28-Feb-2017

SDS # : ICW 0785 R - 02 EU EN
Version : 03

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29PBK
Product Code(s) 4869B

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

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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	5 - 10	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
Ethylene urea	120-93-4	204-436-4	01-2119980933-25-xxxx	1 - 5	Eye Irrit. 2 (H319)	
Carbon black	1333-86-4	215-609-9	None	1 - 5	None	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Carbon black 1333-86-4	TWA: 2.0 mg/m ³ dust	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Carbon black 1333-86-4	TWA: 4.0 mg/m ³ total inhalable dust	TWA: 3.5 mg/m ³	None	TWA: 2 mg/m ³ respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m ³ respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m ³ total aerosol	TWA: 3.5 mg/m ³
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ inhalable dust	None
Carbon black 1333-86-4	TLV: 3 mg/m ³ total dust	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	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	8 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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	Minimal irritant (Estimate) (OECD Guideline)
Sensitization	Non-sensitizer (Estimate) (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative
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.
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	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
14.6. Special Precautions for users	IATA: Not regulated
14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010
Revision date : 28-Feb-2017
Revision Note Entirely revised

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

Disclaimer

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Issuing date : 15-Dec-2010
 Revision date : 28-Feb-2017

SDS # : ICW 0786 R - 02 EU EN
 Version : 03

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29DGY
Product Code(s) 4870B

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

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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	5 - 10	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
Ethylene urea	120-93-4	204-436-4	01-2119980933-25-xxxx	1 - 5	Eye Irrit. 2 (H319)	
Carbon black	1333-86-4	215-609-9	None	< 1	None	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Carbon black 1333-86-4	TWA: 2.0 mg/m ³ dust	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Carbon black 1333-86-4	TWA: 4.0 mg/m ³ total inhalable dust	TWA: 3.5 mg/m ³	None	TWA: 2 mg/m ³ respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m ³ respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m ³ total aerosol	TWA: 3.5 mg/m ³
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ inhalable dust	None
Carbon black 1333-86-4	TLV: 3 mg/m ³ total dust	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	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	8 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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	Minimal irritant (Estimate) (OECD Guideline)
Sensitization	Non-sensitizer (Estimate) (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative
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.
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	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
14.6. Special Precautions for users	IATA: Not regulated
14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010
Revision date : 28-Feb-2017
Revision Note Entirely revised

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 : 15-Dec-2010
 Revision date : 28-Feb-2017

SDS # : ICW 0787 R - 02 EU EN
 Version : 03

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29GY
Product Code(s) 4871B

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

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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	5 - 10	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
Ethylene urea	120-93-4	204-436-4	01-2119980933-25-xxxx	1 - 5	Eye Irrit. 2 (H319)	
Carbon black	1333-86-4	215-609-9	None	< 1	None	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Carbon black 1333-86-4	TWA: 2.0 mg/m ³ dust	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Carbon black 1333-86-4	TWA: 4.0 mg/m ³ total inhalable dust	TWA: 3.5 mg/m ³	None	TWA: 2 mg/m ³ respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m ³ respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m ³ total aerosol	TWA: 3.5 mg/m ³
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ inhalable dust	None
Carbon black 1333-86-4	TLV: 3 mg/m ³ total dust	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	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	8 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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	Minimal irritant (Estimate) (OECD Guideline)
Sensitization	Non-sensitizer (Estimate) (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative
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.
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	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
14.6. Special Precautions for users	IATA: Not regulated
14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010
Revision date : 28-Feb-2017
Revision Note Entirely revised

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 : 15-Dec-2010
 Revision date : 28-Feb-2017

SDS # : ICW 0788 R - 02 EU EN
 Version : 03

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29LGY
Product Code(s) 4872B

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

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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	5 - 10	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
Ethylene urea	120-93-4	204-436-4	01-2119980933-25-xxxx	1 - 5	Eye Irrit. 2 (H319)	
Carbon black	1333-86-4	215-609-9	None	< 1	None	
Glycol	CBI	CBI	CBI	5 - 10	None	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Carbon black 1333-86-4	TWA: 2.0 mg/m ³ dust	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	None
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Carbon black 1333-86-4	TWA: 4.0 mg/m ³ total inhalable dust	TWA: 3.5 mg/m ³	None	TWA: 2 mg/m ³ respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m ³ respirable fraction, greater than 5% fibrogenic component TWA: 10 mg/m ³ total aerosol	TWA: 3.5 mg/m ³
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ inhalable dust	None
Carbon black 1333-86-4	TLV: 3 mg/m ³ total dust	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	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	8 - 10
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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	Minimal irritant (Estimate) (OECD Guideline)
Sensitization	Non-sensitizer (Estimate) (OECD Guideline)
Germ cell mutagenicity	Ames test: Negative
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.
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	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
14.6. Special Precautions for users	IATA: Not regulated
14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010
Revision date : 28-Feb-2017
Revision Note Entirely revised

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

Disclaimer

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Issuing date : 15-Dec-2010
 Revision date : 28-Feb-2017

SDS # : ICW 0795 R - 02 EU EN
 Version : 03

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

1.1. Product Identifier

Product name Canon Ink Tank PGI-29CO
Product Code(s) 4879B

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

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

*1 Kontakt Giftlinien 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

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary statements

Not required

Other Information

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.

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 (Reg. 1272/2008)	Note to Other Hazards
Glycerin	56-81-5	200-289-5	None	5 - 10	None	
2-Pyrrolidinone	616-45-5	210-483-1	None	5 - 10	Eye Irrit. 2 (H319)	
Ethylene urea	120-93-4	204-436-4	01-2119980933-25-xxxx	1 - 5	Eye Irrit. 2 (H319)	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	None	< 0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	
Water	7732-18-5	231-791-2	None	60 - 80	None	

Full texts of Hazard statement(s) are listed in SECTION 16

Note to Other Hazards : The following substance(s) is (are) marked with (1), (2) and/or (3)

- (1) Substance for which EU 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

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 if symptoms occur.

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 CO₂, water, dry chemical, or foam.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

Carbon dioxide (CO₂), 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.

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 ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
Glycerin 56-81-5	TWA: 10 mg/m ³ Ceiling: 15 mg/m ³	None	TWA: 20 mg/m ³	TWA: 10 mg/m ³	DFG TWA: 200 mg/m ³ inhalable fraction Ceiling / Peak: 400 mg/m ³ inhalable fraction
Chemical name	Greece	Hungary	Ireland	Italy	Netherlands
Glycerin 56-81-5	TWA: 10 mg/m ³	None	TWA: 10 mg/m ³ mist STEL: 30 mg/m ³ mist	None	None
Chemical name	Poland	Portugal	Romania	Slovakia	Spain
Glycerin 56-81-5	TWA: 10 mg/m ³ inhalable fraction	TWA: 10 mg/m ³ mist	None	None	TWA: 10 mg/m ³ mist
Chemical name	Sweden	United Kingdom	Norway	Switzerland	Turkey
Glycerin 56-81-5	None	TWA: 10 mg/m ³ mist	None	TWA: 50 mg/m ³ inhalable dust STEL: 100 mg/m ³ 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	Translucent white ; Liquid
Odor	Slight odor
Odor threshold	No data available
pH	8 - 9
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 93.0°C (Tag. Closed Cup.); 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 (CO₂), 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

<u>14.1. UN number</u>	None
<u>14.2. UN Proper Shipping Name</u>	None
<u>14.3. Transport Hazard Class</u>	None
<u>14.4. Packing Group</u>	None
<u>14.5. Environmental Hazards</u>	Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.
<u>14.6. Special Precautions for users</u>	IATA: Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 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 H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

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 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
- EU OEL: Occupational exposure limits at Union 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
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- CBI: Confidential Business Information

Issuing date : 15-Dec-2010
Revision date : 28-Feb-2017
Revision Note : Entirely revised

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

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