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

1.1. Product Identifier

Product name INK RIBBON EP-102

Product Code(s) 4202A

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

Use Ink Roll for Printing Calculator

1.3. Details of the supplier of the safety data sheet

Supplier

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 Electronic Business Machines (H.K.) Co., Ltd.
17/F., Tower One, Ever Gain Plaza, 82-100 Container Port Road, Kwai Chung, New Territories, Hong Kong.

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
Aquatic Chronic 3

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008

Not required

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

H412 - Harmful to aquatic life with long-lasting effects

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

P273 - Avoid release to the environment.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Information

EUH208-Contains 3-iodo-2-propynyl butylcarbamate.

May produce an allergic reaction.

2.3. Other Hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Black ink

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (Reg. 1272/2008)
Carbon black	1333-86-4	215-609-9	None	15 - 25	None
[[4-[[4-(anilino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]benzenesulphonic acid	1324-76-1	215-385-2	None	1 - 3	None
3-iodo-2-propynyl butylcarbamate	55406-53-6	259-627-5	None	< 1	Acute Tox. 3 (H331) Acute Tox. 4 (H302) STOT RE 1 (H372) Eye Dam. 1 (H318) Skin Sens. 1 (H317) M-factor: Aquatic Acute 1 (H400) (M=10) Aquatic Chronic 1 (H410) (M=1) SCL/ATE: No data available Endocrine disrupting substance: None
Resin	CBI	CBI	None	CBI	None
Oil	CBI	CBI	None	CBI	None
Other additive	CBI	CBI	None	CBI	None

Red ink

Chemical name	CAS-No	EC-No	REACH registration number	Weight %	Classification (Reg. 1272/2008)
D&C Red No.9	5160-02-1	225-935-3	None	10 - 20	None
Other coloring material	CBI	CBI	None	CBI	None
Resin	CBI	CBI	None	CBI	None
Oil	CBI	CBI	None	CBI	None
Additive	CBI	CBI	None	CBI	None

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	Not applicable
Ingestion	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	Not known
Ingestion	Not known
Skin Contact	Not known
Eye Contact	Not known
Chronic Effects	Not known

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

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Foam, Dry powder, CO2 gas, other

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

Wear appropriate breathing apparatus and Personal protection.

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

If inadvertently released, rewind ribbon.

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special. For personal safety, see section 8.

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

Fabric ribbon

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	EU OEL	Austria	Belgium	Bulgaria	Cyprus
Carbon black 1333-86-4	None	None	TWA: 3.5 mg/m ³	None	None
Chemical name	Czech Republic	Denmark	Finland	France	Germany
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
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
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
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: 7 mg/m ³	None	one

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	Wear protective gloves when required.
Respiratory Protection	Not required under normal use.
Thermal hazards	Not applicable in normal conditions of use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Nylon 6-6 fabric impregnated with liquid black and red ink
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	> 150
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
Upper Flammability Limit	No data available
Lower Flammability Limit	No data available
Vapor pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Kinematic viscosity (mm²/s)	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Particle characteristics	No data available

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

High temperature, High humidity, direct sunlight.

10.5. Incompatible materials

None

10.6. Hazardous Decomposition Products

Carbon dioxide (CO₂), Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	The IARC evaluated carbon black, as a Group 2B carcinogen, for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to powdered carbon black at levels that induce particle overload of the lung. However, the amount of inhalation exposure to powdered carbon black is negligible under intended use of this product.
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

Harmful to aquatic life with long lasting effects(Black ink)
Fish, 96-Hour LC50 = 0.067mg/L (3-iodo-2-propynyl butylcarbamate)

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

No data available

12.6. Endocrine disrupting substance

No data available

12.7. 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

Harmful to aquatic life with long lasting effects

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

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INK RIBBON EP-102

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

H331 - Toxic if inhaled
H302 - Harmful if swallowed
H372 - Causes damage to organs through prolonged or repeated exposure
H318 - Causes serious eye damage
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long-lasting effects

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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This safety data sheet (SDS) is supplied under (EC) No 1907/2006 Article 31-1.

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