SAFETY DATA SHEET

COMCOLOR GN INK CARTRIDGE (E) BLACK

SDS No. : GNOI001E-100-EN

Issued date : 2026/3/10 Revision date : 2026/3/10

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

1.1. Product identifier

Product name:	COMCOLOR GN INK CARTRIDGE (E) BLACK
Item code:	S-5434E

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

Relevant identified uses:	INK for InkJet Printer
Restrictions on use:	Use with a dedicated printer.

1.3. Details of the supplier of the safety data sheet

Manufacturer:	RISO KAGAKU CORPORATION 5-34-7 Shiba, Minato-ku, Tokyo, 108-8385, JAPAN TEL: +81 (3) 5441-6611
Supplier:	RISO KAGAKU CORPORATION LONDON OFFICE Unit23, Building 6 Croxley Park, Hatters Lane Watford Hertfordshire WD18 8YH UK TEL: +44 (20) 8236-5800 Avda. de les Garrigues, 38-44 planta 2a local B1 08820 Prat de Llobregat - Barcelona, Spain TEL: +34 (93) 4793750 E-mail: Contact@riso.eu

1.4. Emergency telephone number

Emergency number:	U.K. +44 (20) 8236-5800 (09:00-17:00 GMT) Spain +34 (93) 4793750 (08:30-17:30 CET)

Section 2 : Hazards identification

The intended use of the product is not expected to result in exposure to the mixture based on the packaging and method of dispensing.

2.1. Classification of the substance or mixture

Classification according to EU CLP Regulation (EC) No.1272/2008 and UK CLP Regulation:	Not classified.

2.2. Label elements

Labelling according to EU CLP Regulation (EC) No.1272/2008 and UK CLP Regulation:

Hazard pictograms:	Not required.
Signal word:	Not required.
Hazard statements:	Not required.
Precautionary statements:	Not required.

2.3. Other hazards

This product does not contain PBT/vPvB substances assessed in accordance with REACH Annex XIII.

This product does not contain substances included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Section 3 : Composition/information on ingredients

3.2. Mixtures

Substance name	Product identifier	Classification (EC)No.1272/2008	wt%
Carbon black	CAS RN: 1333-86-4 EC No.: 215-609-9	Not classified.	1-10
Fatty acid ester	Trade secret	Not classified.	Trade secret

Higher alcohol	Trade secret	Not classified.	Trade secret

Section 4 : First-aid measures

4.1. Description of first aid measures

Inhalation: If you feel unwell, move from the contamination immediately to fresh air and seek medical advice.

Skin contact: After contact with skin, wash immediately with plenty of water using a mild soap.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: If swallowed, do not induce vomiting and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5 : Firefighting measures

5.1. Extinguishing media: Potassium carbonate mist, CO_2, foam, dry chemical powder, dry sand

5.2. Special hazards arising from the substance or mixture: Fire could cause thick and black smoke.
Toxic products, CO and CO_2 could be formed by thermal decomposition.

5.3. Advice for firefighters: This ink does not act as a source of ignition, but might burn if exposed to a fire.

Section 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: Ventilate the area until material is completely picked up.

6.2. Environmental precautions: Do not flush into the drains.

6.3. Methods and material for containment and cleaning up: Wipe up with cloth or paper.

6.4. Reference to other sections: For further information refer to section 8 and 13.

Section 7 : Handling and storage

7.1. Precautions for safe handling: Use only in the well-ventilated areas.
Avoid contact with skin.
Use only with the original cartridge.

7.2. Conditions for safe storage, including any incompatibilities: Store at 5 - 35℃ and protect from sunlight.
Keep out of the reach of children.
Use only with the original cartridge.

7.3. Specific end use(s): Printing ink.

Section 8 : Exposure controls/personal protection

8.1. Control parameters:

National occupational exposure and biological limit values (GESTIS International Limit values Database):

Substance	Carbon black				
CAS RN	1333-86-4	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m^3	ppm	mg/m^3
Belgium			3		
Denmark			3,5		7,0
Finland			3,5		7 (1)
France			3,5		
Ireland			3 (1)		

Poland		4 (1)		
Spain		3,5		
Sweden		3		
Norway		3,5		
United Kingdom		3,5		7

Remarks

Finland	(1) 15 minutes average value
Ireland	(1) Inhalable fraction
Poland	(1) Inhalable fraction

Recommended monitoring procedures: Consult the relevant monitoring standards for the region.

Air contaminants formed: No information available.

DNEL and PNEC: Not applicable.

Control banding: No information available.

8.2. Exposure controls:

Appropriate engineering controls: Good general ventilation should be sufficient for most conditions.

Personal protective equipment:

Eye protection: Not normally required.

Skin and body protection: Not normally required.

Hand protection: Recommend the use of gloves in case of contact with skin.

Respiratory protection: Not normally required.

Thermal hazard protection: Not normally required.

Environmental exposure controls: Avoid release to the environment.

Section 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Color: Black

Odor: Slight characteristic odor

Odor threshold: No information available.

Melting point/freezing point: ＜0 ℃

Boiling point or initial boiling point and boiling range: ＞200 ℃

Flammability: Not applicable.

Lower and upper explosion limit: No information available.

Flash point: ＞120 ℃ (Cleveland open-cup)

Auto-ignition temperature: ＞200 ℃

Decomposition temperature: No information available.

pH: Not applicable.

Kinematic viscosity: No information available.

Solubility: Insoluble in water.

Partition coefficient n-octanol/water (log value): No information available.

Vapor pressure: No information available.

Density and/or relative density: 0.80-0.95 g/cm^3 (23℃)

Relative vapor density: No information available.

Particle characteristics: Not applicable.

9.2. Other information

Information with regard to physical hazard classes:	No information available.
Other safety characteristics:	Particle size d50 ＞ 100 nm

Section 10 : Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal storage and handling conditions.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	Avoid direct sunlight, high temperatures, open flame.
Incompatible materials:	Halogens, strong acid, alkalis, oxidizing agents
Hazardous decomposition products:	Thermal decomposition products: CO, CO_2. No decomposition if used for the intended uses.

Section 11 : Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No.1272/2008

Acute toxicity:	Oral LD50 ＞2000mg/kg(rat)*
Skin corrosion/irritation:	May cause slight irritation.*
Serious eye damage/eye irritation:	May cause slight irritation.*
Respiratory or skin sensitisation:	No information available.
Germ cell mutagenicity:	Negative in the Ames test.
Carcinogenicity:	Carbon black is listed as Class 2B (Possible human carcinogen) by IARC. However, IARC Monograph 93 also indicates “exposure to carbon black does not occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint.” None of the other ingredients in this product are listed by IARC, NTP, MAK, OSHA or ACGIH as a carcinogen. None of the other ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP or OSHA.
Reproductive toxicity:	No information available.
Specific target organ toxicity:	
single exposure:	No information available.
repeated exposure:	No information available.
Aspiration hazard:	No information available.

**These information are based on toxicity data for similar materials and ingredients.*

11.2. Information on other hazards

Endocrine disrupting properties:	This product does not contain substances identified as having endocrine disrupting properties in accordance with the criteria.
Other information:	No information available.

Section 12 : Ecological information

12.1.	Toxicity:	Not classified.*
12.2.	Persistence and degradability:	No information available.
12.3.	Bioaccumulative potential:	No information available.
12.4.	Mobility in soil:	No information available.
12.5.	Results of PBT and vPvB assessment:	This product does not contain substances identified as PBT and vPvB in accordance with the criteria.
12.6.	Endocrine disrupting properties:	This product does not contain substances identified as having endocrine disrupting properties in accordance with the criteria.
12.7.	Other adverse effects:	No information available.

**This information is based on toxicity data for similar materials and ingredients.*

Section 13 : Disposal considerations

13.1. Waste treatment methods:	Burn in an adequate incinerator or bury in landfill in accordance with all applicable regulations. Any disposal practice must be in compliance with all EU and Member State (both federal and state) laws.

Section 14 : Transport information

14.1. UN number:	Not regulated.
14.2. UN proper shipping name:	Not regulated.
14.3. Transport hazard class(es):	Not regulated. (ADR, RID, AND, IMDG, IATA)
14.4. Packing group:	Not regulated.
14.5. Environmental hazards:	Not regulated.
14.6. Special precautions for user:	Not regulated.
14.7. Maritime transport in bulk according to IMO instruments:	
Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

Section 15 : Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU-Regulations:	
REACH regulation (EC) No.1907/2006	
Substances with Annex XVII restrictions:	Not regulated.
Candidate List of substance:	Not regulated.
Annex XIV substances:	Not regulated.
National regulations:	No additional information available.
15.2. Chemical safety assessment:	No chemical safety assessment has been carried out.

Section 16 : Other information

Full text of classifications:	Not applicable.
Full text of H-statements:	Not applicable.

This SDS is based on REACH Regulation (EC) No.1907/2006 as amended by Regulation (EU) 2020/878.

The information herein is given in good faith, but no warranty, express or implies, is made.

Please consult RISO KAGAKU CORPORATION LONDON OFFICE for further information.