

Safety Data Sheet

according to GHS Rev. 6 2015,
OSHA HazCom Standard 29 CFR 1910.1200(g) and
Canadian Hazard Product Regulations (WHMIS 2015)



Trade name: **quick drying ink, black, premium 809**

Print date: 05/24/2018

Revision date: 05/22/2018

Version 1.1

replaces version 1.0

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

1.1 Product identifier **ACL 8199 black, quick drying ink, black, premium 809**

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

Identified uses Stamping ink

1.3 Supplier COLOP Stempelerzeugung Skopek GmbH & Co. KG

Dr.-Arming-Straße 5

A-4600 Wels

T: +43 7242 66 104

Email: sds@colop.co.at

Competent person Email: sds@colop.co.at

1.4 Emergency telephone number +43 7242 66 104
Available during office hours:
Mo-Th 8 a.m. – 4 p.m.
Fr 8 a.m. – 12 a.m.

Please contact your regional poison center or emergency call.

Austrian toxicity information center Vienna:

+43 1 406 43 43

Available 24 hours



SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

 According to GHS

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200 and WHMIS 2015.

Flammable Liquid – Hazard category 4

2.2 Label elements

 According to GHS

Signal Word: **Warning**

Hazards:

Combustible Liquid.

Precautionary statements:

Prevention:

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/eye protection/face protection.

Response:

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Contains (2-Methoxymethylethoxy)propanol (CAS: 34590-94-8).

2.3 Other hazards

None known.



SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical characterization

Mixture of the following ingredients and nonhazardous additives.

Hazardous ingredients

Chemical name	CAS #	%-w/w	Classification acc. to GHS
(2-Methoxymethylethoxy)propanol**	34590-94-8	< 75	Flammable Liquid, category 4
Carbon black	1333-86-4	< 11	Carcinogenicity, category 2 ⁽¹⁾

** Substance with an occupational exposure limit value (see section 8)

⁽¹⁾ IARC has classified carbon black as Group 2B (possibly carcinogenic to humans). NIOSH recommends only carbon black with polycyclic aromatic hydrocarbon contamination levels greater than 0.1% be considered suspect carcinogens. However, experimental studies have shown that the fate of inhaled ultrafine particles may differ considerably from that of larger respirable particles of the same composition. No adequate study of the carcinogenicity of carbon black administered by the oral or intraperitoneal route was available. Not listed as carcinogen by NTP, ACGIH, OSHA or the European Union. See also section 11 for further information.



SECTION 4: First aid measures

4.1 Description of first aid measures

Seek medical advice if symptoms occur.

Never give anything by mouth to an unconscious person or a person with cramps.

Change contaminated, saturated clothing.

In case of inhalation

Provide fresh air. In case of problems, consult a physician.

If unconscious place in recovery position and seek medical advice.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

Change contaminated, saturated clothing – wash before reuse.

Consult a physician if symptoms occur.

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 In case of eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

Consult a physician if symptoms occur.

 In case of ingestion

Rinse mouth thoroughly with cold water. Do not induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further information available.

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.



SECTION 5: Firefighting measures

5.1 Extinguishing media

 Suitable extinguishing media

CO₂, extinguishing powder, Water spray

Fight larger fires with water jet or alcohol-resistant foam.

 Extinguishing media which must not be used for safety reasons

Waterjet

5.2 Special hazards arising from the substance or mixture

Fire may cause formation of CO_x

5.3 Advice for firefighters

Special protective equipment:

Wear a self-contained breathing apparatus and chemical protective clothing.



SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to contaminated areas, until cleaning work is finished.

Wear personal protection equipment. Avoid contact with skin and eyes. Remove all sources of ignition.

Provide adequate ventilation. Do not breathe vapour/aerosol.

6.2 Environmental precautions

Do not allow to enter into surface water, ground water or drains.

In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid binding material (e. g. sand, kieselguhr, Universal binder, acid binder)

Wash away residues.

Treat the recovered material as prescribed in the section on waste disposal (section 13).

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6.4 Reference to other sections

See protective measures under section 8 and disposal under section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide adequate ventilation/suction extractors.

Avoid eye and skin contact. Keep container tightly closed. Wear personal protection equipment. Avoid formation of aerosols. Do not breathe vapours/aerosols.

An eyewash station should be made available in the immediate working area. Observe protective measures and safety instructions.

7.2 Conditions for safe storage, including any incompatibilities

Precautions against fire and explosion

Keep away from sources of ignition – do not smoke!

Requirements on storage and packaging/containers

Provide adequate ventilation.

Keep dry. Protect from frost and heat.

Store in original container.

Incompatibility with materials

No data available.

Conditions of storage

Room temperature

7.3 Specific end use(s)

Stamping ink

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Observe the member state specific regulations.

Exposure limits

US:

(2-Methoxymethylethoxy)propanol:

OSHA Permissible Exposure Limit (PEL): 100 ppm (600 mg/m³) TWA; Skin

NIOSH Recommended Exposure Limit (REL): 100 ppm (600 mg/m³) TWA

150 ppm (900 mg/m³) STEL; Skin

ACGIH Threshold Limit Value (TLV): 100 ppm (606 mg/m³) TWA

150 ppm (909 mg/m³) STEL, Skin

CAL/OSHA PELs: 100 ppm (600 mg/m³) TWA

150 ppm (900 mg/m³) STEL, Skin

Carbon black:

OSHA Permissible Exposure Limit (PEL): 3,5 mg/m³ TWA

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ACGIH Treshold Limit Value (TLV): 3,5 mg/m³ TWA; Appendix A3 – Confirmed animal carcinogen with unknown relevance to humans
 NIOSH Recommended Exposure Limit (REL): 3.5 mg/m³ TWA; 0.1 mg/m³ when PAHs are present:
 Appendix A – Potential Occupational Carcinogens

Canada:

(2-Methoxymethylethoxy)propanol:

CA AB OEL: TWA 606 mg/m³ 100 ppm, Skin

CA AB OEL: STEL 909 mg/m³ 150 ppm, Skin

CA BC OEL: TWA 100 ppm, Skin

CA BC OEL: STEL 150 ppm, Skin

CA QC OEL: TWAEV 606 mg/m³ 100 ppm, Skin

CA QC OEL: STEV 909 mg/m³ 150 ppm, Skin

Carbon black:

CA Ontario: TWA 3 mg/m³ (Inhalable fraction)

CA QC OEL: TWAEV 3.5 mg/m³

DNEL-values (derived no-effect level)

name		
(2-Methoxymethylethoxy)propanol (source: ECHA)		
workers		
Longterm exposure – systemic effects	Inhalation	308 mg/m ³
Longterm exposure – systemic effects	dermal	238 mg/kg BW/d
consumers		
Longterm exposure – systemic effects	Inhalation	37.2 mg/m ³
Longterm exposure – systemic effects	oral	36 mg/kg BW/d
Longterm exposure – systemic effects	dermal	121 mg/kg BW/d
name		
Carbon black (source: ECHA)		
workers		
Longterm exposure – systemic effects	Inhalation	2 mg/m ³
Longterm exposure – local effects	Inhalation	2 mg/m ³

PNEC- Werte (Predicted no effect concentration)

name	
(2-Methoxymethylethoxy)propanol (source: ECHA)	
Fresh water	19 mg/l
Sea water	1.9 mg/l
Intermittent release	190 mg/l

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STP	4168 mg/l
Sediment (fresh water)	70.2 mg/kg Sediment dw
Sediment (sea water)	7.02 mg/kg Sediment dw
soil	2.74 mg/kg Boden dw
name	
Carbon black (source: ECHA)	
Fresh water	5 mg/l
Sea water	5 mg/l


8.2 Exposure control

 Appropriate engineering controls.

Ventilation systems

Eyewash station

Showers

 General protection and hygiene measures

When handling with chemical substances observe usual precautionary measures.

Keep away from foods and drinks.

When using do not eat, drink, smoke.

Wash hands after working with product.

Avoid contact with skin and eyes. Avoid breathing aerosols/vapours.

Change contaminated clothes and wash before reuse.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

 Respiratory protection

During generation of vapors/aerosols and/or if ventilation is insufficient wear respiratory protection.

 Hand protection

Wear protective gloves (Glove material e. g. nitrile rubber)

The selection of suitable gloves depends not only on the material, but also on other quality characteristics. Breakthrough times and swelling properties of the material must be taken into consideration.

 Eye protection

Protective goggles.

 Body protection

Working clothes

 Environmental exposure controls

Do not allow to enter into surface water, ground water or drains.

In case of entry into waterways, soil or drains, inform the responsible authorities.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

 Physical state / Appearance	liquid
 Colour	black
 Odour	characteristic
 Odour threshold	No information available.
 pH value	n. a.
 Melting point/range	No information available.
 Boiling point/range	189 °C
 Flash point	75 °C
 Evaporation rate	No information available.
 Flammability (solid, gas)	N. a.
 Upper/lower explosive limits	No information available.
 Vapour pressure (27 °C)	No information available.
 Density (20 °C)	Approx. 1g/cm ³
 Solubility in water (20 °C)	miscible
 Partition coefficient: n-octanol/water;	(2-Methoxymethylethoxy)propanol: 0,004 (source: foreign-SDS)
 Auto-ignition temperature	(2-Methoxymethylethoxy)propanol: 207 °C (source: ECHA)
 Decomposition temperature	No information available.
 Viscosity	No information available.
 Explosion properties	The product is not explosive.
 Oxidising properties	No information available.

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known if stored and used as prescribed.

10.2 Chemical stability

No decomposition if used as prescribed.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

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Heat, flames, sparks

10.5 Incompatible materials

Strong oxidizing agents, strong acids

10.6 Hazardous decomposition products

No decomposition if used as prescribed.



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological data for the product are not available.

LD₅₀ values of single components relevant for classification (supplier's data)

name	CAS-No.	
(2-Methoxymethylethoxy)-propanol	34590-94-8	LD ₅₀ (oral/rat) > 5000 mg/kg LD ₅₀ (dermal/rabbit): 9510 mg/kg
Carbon black	1333-86-4	LD ₅₀ (oral/rat) > 10000 mg/kg

Acute toxicity

Based on available data classification criteria are not fulfilled.

Skin corrosion/irritation

Based on available data classification criteria are not fulfilled.

Serious eye damage/irritation

Mild irritation is possible.

Based on available data classification criteria are not fulfilled.

Skin sensitisation

Based on available data classification criteria are not fulfilled.

Germ cell mutagenicity

The product does not contain any ingredients in a concentration of equal or higher than 0.1 %, which are classified as mutagen.

Based on available data classification criteria are not fulfilled.

Cancerogenicity

The product contains below 11% carbon black (CAS: 1333-86-4).

Carbon black is listed by the International Agency for Research on Cancer (IARC) as group 2b (Possibly carcinogenic to humans). A potential risk only takes place during inhalation of dust. In the product the particles are bound in a liquid matrix, thus inhalation of dust particles is not possible if the product is used as prescribed.

Accordingly, based on available data classification criteria are not fulfilled.

Carbon black:

IARC (International Agency for Research of Cancer): Group 2B

NTP (National Toxicology Program): substance not listed

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U.S. Environmental Protection Agency (EPA) carcinogenic classification: Not listed
ACGIH (American Conference of Governmental Industrial Hygienists): A3 – Confirmed animal carcinogen with unknown relevance to humans

 Reproductive toxicity

The product does not contain any ingredients in a concentration of equal or higher than 0.1 %, which are classified as toxic for reproduction.

Based on available data classification criteria are not fulfilled.

 Specific target organ toxicity – single exposure

Based on available data classification criteria are not fulfilled.

 Specific target organ toxicity – repeated exposure

Based on available data classification criteria are not fulfilled.

 Aspiration hazard

Based on available data classification criteria are not fulfilled.

 Other informations

The product was classified on the basis of the calculation procedure of GHS.



SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological data for the product are not available.

The product was classified on the basis of the calculation procedure of GHS.

 Aquatic Toxicity of ingredients

(2-Methoxymethylethoxy)-propanol (CAS: 34590-94-8)

Fish: LC50 (96 h) > 1000 mg/l – *Poecilia reticulata*

Daphnia: LC50 (48 h): 1919 mg/l – *Daphnia magna*

Algae: EC50 (72 h) > 069 mg/l – *Pseudokirchneriella subcapitata*

12.2 Persistence and degradability

(2-Methoxymethylethoxy)-propanol (CAS: 34590-94-8)

Degradability: 76 % (28 d, OECD 301 F) – readily biodegradable

Carbon black (CAS: 1333-86-4)

Inorganic product. The methods for determining the biological degradability are not applicable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

(2-Methoxymethylethoxy)-propanol (CAS: 34590-94-8)

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PBT/vPvB criteria are not fulfilled.

Carbon black (CAS: 1333-86-4)

Inorganic product. The methods for PBT and vPvB assessment in sense of REACH are not applicable.

12.6 Other adverse effects

Do not allow to enter waters, waste water or soil.



SECTION 13: Disposal considerations

13.1 Waste treatment methods

Any disposal practice must be in compliance with all local and national laws and regulations. Customers are advised to check their local legislation governing the disposal of waste materials. Use only authorized contractors. Do not allow to enter into surface water or drains.

Uncleaned packaging

Recommendation: Completely emptied packages can be recycled by authorized contractors.



SECTION 14: Transport information

14.1 UN number

DOT: NA 1993

IMDG/IATA: not regulated

14.2 UN proper shipping name

DOT: Combustible liquid, n.o.s. (2-Methoxymethylethoxy)propanol, isomers)

14.3 Transport hazard class(es)

DOT: COMB LIQ

14.4 Packing group

DOT: III

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to 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

Safety Data Sheet according to GHS Rev. 5 2013 and OSHA HazCom Standard 29 CFR 1910.1200(g)
The mixture was classified on the basis of the calculation procedure of GHS Rev. 5 2013

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TSCA Inventory:

All ingredients are listed.

Information about limitation of use:

California Proposition 65

Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". This product does not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

U.S. State Right-to-Know Regulations

Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and therefore the product does not pose any specific health hazard.

Canada:

Carbon black: WHMIS 1988 classification: D2A – Very toxic (Carcinogenicity)

See also section 11: the particles are bound in a liquid matrix and therefore the product does not pose any specific health hazard.

15.2 Chemical safety assessment

Not applicable.



SECTION 16:

Other information

IMPORTANT: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.





However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance/mixture itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product.

All materials may present unknown hazards and should be used with caution and only for identified uses described in section 1. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use.

No liability can be accepted for damage during handling or contact with the product.

The mixture was classified on the basis of the calculation procedure of GHS Rev. 5 2013. The classification of ingredients is based on manufacturer's data, complemented by data from the European Chemical Agency (ECHA).

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 Created by	UmEnA GmbH
 Abbreviations	n. a. Not applicable.

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PBT persistent, bioaccumulative, toxic
vPvB very persistent, very bioaccumulativ
ECHA European Chemical Agency
DOT Department of Transportation
IMDG International Maritime Code for Dangerous Goods
IATA International Air Transport Association
CA AB OEL Canada. Alberta, Occupational Health and Safety Code
CA BC OEL Canada. British Columbia OEL
CA QC OEL Québec. Regulation respecting occupational health and safety
STEL Short term exposure limit
STEV Short-term exposure value
TWA Time weighted average
TWAEV Time-weighted average exposure value

