

# Safety Data Sheet

according to regulation (EC) No 1907/2006 (REACH)

Trade name: **flash ink black**

Print date: 24.05.2018

Revision date: 22.05.2018

Version 1.3

replaces version 1.2

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

- 1.1 Product identifier **flash ink black**  
interne ASL 8080 black
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Identified uses Stamping ink
- 1.3 Details of the supplier of the safety data sheet  
COLOP Stempelerzeugung Skopek GmbH & Co. KG  
Dr.-Arming-Straße 5  
A-4600 Wels  
T: +43 7242 66 104  
Email: [sds@colop.co.at](mailto:sds@colop.co.at)
- Competent person Email: [sds@colop.co.at](mailto: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 regulation (EC) No. 1272/2008  
The mixture is not classified as hazardous in sense of the regulation (EC) No. 1272/2008.
- 2.2 Label elements  
 According to regulation (EC) No. 1272/2008  
Not applicable.  
The mixture is not classified as hazardous and does not require labeling in sense of the CLP regulation (EC) No. 1272/2008.  
 Hazard components for labelling  
Not applicable.
- 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.

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 **Ingredients**

Chemical name	CAS # / EC # / Index #	%-w/w	Classification acc. to (EC) No. 1272/2008*	
<b>polypropylene glycol</b>	25322-69-4 / 500-039-8 / ---	90 - 92	---	---
<b>carbon black**</b>	1333-86-4 / 215-609-9 / ---	< 10	---	---

\* Full text of Hazard statements and hazard categories: see section 16.

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




**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.

 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

CO<sub>2</sub>, 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<sub>x</sub>

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.  
Provide adequate ventilation. Do not breathe vapours/aerosols.

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).

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

No special measures required.

 Requirements on storage and packaging/containers

Provide adequate ventilation.  
Keep dry. Protect from frost and heat.  
Store in original container.

 Incompatibility with materials

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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.

**WEL (Workplace Exposure Limits) (valid for UK)**

name	CAS#	Short-term value	Long-term value
Carbon black	1333-86-4	7 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>


**DNEL-values (derived no-effect level)**

name		
<b>Carbon black</b> (source: ECHA)		
workers		
Longterm exposure – systemic effects	Inhalation	2 mg/m <sup>3</sup>
Longterm exposure – local effects	Inhalation	2 mg/m <sup>3</sup>

**PNEC- Werte (Predicted no effect concentration)**

name	
<b>Carbon black</b> (source: ECHA)	
Fresh water	5 mg/l
Sea water	5 mg/l

8.2 Exposure control

 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

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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.



## **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	No information available.
 Flash point	215 °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)	1 g/cm <sup>3</sup>
 Solubility in water (20 °C)	insoluble
 Partition coefficient: n-octanol/water;	Polypropylene glycol: 0.3 – 0.9 (source: foreign-SDS)
 Auto-ignition temperature	Polypropylene glycol: 305 °C (source: ECHA)
 Decomposition temperature	No information available.
 Viscosity	No information available.
 Explosion properties	The product is not explosive.
 Oxidising properties	Polypropylene glycol: no oxidising properties.

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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  
Heat, high temperatures, contact with incompatible materials.
- 10.5 Incompatible materials  
Strong oxidizing agents, peroxides, heavy metals
- 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.
- ▲ LD<sub>50</sub> values of single components relevant for classification (supplier's data)

name	CAS-No.	
Polypropylenglycol	25322-69-4	LD <sub>50</sub> (oral/rat): 2410 mg/kg
Carbon black	1333-86-4	LD <sub>50</sub> (oral/rat) > 10000 mg/kg

- ▲ Acute toxicity  
Based on available data classification criteria are not fulfilled.  
ATE<sub>mix</sub> (oral, calculated): > 2000 mg/kg
- ▲ Skin corrosion/irritation  
Based on available data classification criteria are not fulfilled.
- ▲ Serious eye damage/irritation  
Based on available data classification criteria are not fulfilled.
- ▲ Skin sensitization  
Based on available data classification criteria are not fulfilled.  
May produce an allergic skin reaction in sensitive persons.
- ▲ Germ cell mutagenicity

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The product does not contain any ingredients in a concentration 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 10% 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.


According to EU legislations carbon black is currently not classified as carcinogenic.

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

 **Reproductive toxicity**

The product does not contain any ingredients in a concentration 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 information**

The product was classified on the basis of the calculation procedure of the CLP- Regulation (EC) 1272/2008 annex I.



**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 the CLP- Regulation (EC) 1272/2008.

 **Aquatic Toxicity of ingredients**

*Polypropylene glycol* (CAS: 1310-58-3)

Fish: LC50 (96 h) > 100 mg/l – Danio rerio

Daphnia: LC50 (48 h): 105,8 mg/l – Daphnia magna

Algae: EC50 (72 h) > 100 mg/l – Desmodesmus subspicatus

12.2 Persistence and degradability

*Polypropylene glycol* (CAS: 1310-58-3)

Degradability: 86,6 % (28 d, OECD 301 F) – readily biodegradable

*Carbon black* (CAS: 1333-86-4)

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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

*Polypropylene glycol* (CAS: 1310-58-3)

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. If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors.

 European waste catalogue

08 03 13 - waste ink other than those mentioned in 08 03 12

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

 Uncleaned packaging

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

**SECTION 14: Transport information**

No dangerous good in sense of the transport regulation for land, air and sea.

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.



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- 14.5 Environmental hazards  
Not applicable.
- 14.6 Special precautions for user  
Not applicable.
- 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  
Safety Data Sheet according to REACH – Regulation (EC) No. 1907/2006 (resp. Reg. 2015/830 – amendment of REACH Annex II)  
The mixture was classified on the basis of the calculation procedure of the CLP- Regulation (EC) 1272/2008 (Annex 1).

### **national law:**

Austria:

- VbF – Regulation on combustible liquids (BGBl 1991/240)  
Not applicable

Germany:

- Water hazard class acc. to VwVwS of 17.05.1999/ Annex 4.  
WGK 1 (weakly hazardous for water)
- Hazardous Incident Ordinance  
Hazardous Incident Ordinance, Annex: not listed.

- 15.2 Chemical safety assessment  
Not applicable.



## SECTION 16: Other information

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.

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. 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 the CLP- Regulation (EC) 1272/2008 (Annex 1). The classification of ingredients is based on manufacturer´s data and CLP Regulation Annex VI completed by data of the European Chemical Agency (ECHA).

- Relevant Hazard Statements  
Not applicable.

- Relevant hazard categories  
Not applicable.

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 Version	Version No. 1.3 replaces V1.2 of 28.06.2017 Changes: 1.3 Translation of German version 1.3
 Created by	UmEnA GmbH <a href="mailto:office@umena.at">office@umena.at</a>
 Abbreviations	n. a. Not applicable. PBT persistent, bioaccumulative, toxic vPvB very persistent, very bioakkumulativ

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