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

1.1 Product identifier — **flash ink blue**

interne — ASL 6062 blue

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

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 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.

- Ingredients

Chemical name	CAS # / EC # / Index #	%-w/w	Classification acc. to (EC) No. 1272/2008*	
polypropylene glycol	25322-69-4 / 500-039-8 / ---	88 - 95	---	---
C.I. Pigment Blue 15:3** **(Copper phthalocyanine)**	147-14-8 / 205-685-1 / ---	< 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_2, 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.
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

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
Copper and compounds (dust and mists as Cu)		2 mg/m³	1 mg/m³

DNEL-values (derived no-effect level)

No data available.

PNEC- Werte (Predicted no effect concentration)

No data available.

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

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	blue
Odour	characteristic
Odour threshold	No information available.
pH value	n. a.
Melting point/range	< -30 °C
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)	1g/cm^3
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.

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_{50} values of single components relevant for classification (supplier´s data)

name	CAS-No.	
Polypropylenglycol	25322-69-4	LD_{50} (oral/rat): 2410 mg/kg
Copper phthalocyanine	147-14-8	LD_{50} (oral/rat)>10000 mg/kg

Acute toxicity

Based on available data classification criteria are not fulfilled.
ATE_{mix} (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

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

None of the substances in a concentration equal or higher than 0.1 % in this product is listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

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

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The product does not contain PBT or vPvB substances in relevant quantities.

Polypropylene glycol (CAS: 1310-58-3)

PBT/vPvB criteria are not fullfilled.

12.6 Other adverse effects

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

SECT1ON 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.

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.

Version	Version No. 1.1 replaces V1.0 of 03.07.2017 Update: 1.3
Created by	UmEnA GmbH office@umena.at
Abbreviations	n. a. Not applicable. PBT persistent, bioaccumulative, toxic vPvB very persistent, very bioakkumulativ