

Safety Data Sheet

acc. to according to GHS Rev. 8 2019 and OSHA HCS

Printing date 08/02/2022

Reviewed on 08/02/2022

* 1 Identification

Product identifier

Trade name: flash ink black

Other means of identification: ASL 8080 black

Application of the substance / the mixture stamping ink

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

COLOP Stempelerzeugung Skopek GmbH & Co. KG

Dr.-Arming-Straße 5

A-4600 Wels

T: +43 7242 66 104

Information department: Email: sds@colop.co.at

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!

* 2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	1
REACTIVITY	0

Health = 1

Fire = 1

Reactivity = 0

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Other hazards

Inhalation: May cause slight respiratory tract irritation.
 Skin contact: May cause slight dermal irritation.
 Eye contact: May cause slight irritation of eyes.
 Ingestion: May cause harmful effects.

Results of PBT and vPvB assessment

PBT:

Polypropylene glycol (CAS: 25322-69-4):

The criteria for PBT are not met.

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

Not applicable for inorganic substances.

vPvB:

Polypropylene glycol (CAS: 25322-69-4):

The criteria for vPvB are not met.

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

Not applicable for inorganic substances.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

[% (w/w)]

CAS: 1333-86-4	Carbon black	 Carcinogenicity 2, H351	< 10%
CAS: 25322-69-4	Polypropylene glycol		90 - 92%

Additional information:

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.

* 4 First-aid measures

Description of first aid measures

General information:

In case of discomfort or doubt, seek medical advice.
 If unconscious, use a stable lateral position and do not administer anything through mouth.
 Take off contaminated clothing.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with plenty of soap and water.
 Take off contaminated clothing and wash it before reuse.

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Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment in case of complaints.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

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.

* 5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

CO_x

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

* 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

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Protective Action Criteria for Chemicals

PAC-1:		
CAS: 25322-69-4	Polypropylene glycol	30 mg/m ³
CAS: 1333-86-4	Carbon black	9 mg/m ³
PAC-2:		
CAS: 25322-69-4	Polypropylene glycol	330 mg/m ³
CAS: 1333-86-4	Carbon black	99 mg/m ³
PAC-3:		
CAS: 25322-69-4	Polypropylene glycol	2,000 mg/m ³
CAS: 1333-86-4	Carbon black	590 mg/m ³

Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

* 7 Handling and storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Keep receptacles tightly sealed.
 Prevent formation of aerosols.
 Avoid breathing mist/vapours/spray.
 Avoid contact with skin and eyes.
 Use personal protective equipment as required.
 Observe protective measures and safety instructions.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a dry, cool, well-ventilated area.
 Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility:

Store away from foodstuffs.
 Store away from incompatible materials.

Further information about storage conditions:

Keep receptacle tightly sealed.
 Protect from frost.
 Protect from heat.
 Store in original container.

Recommended storage temperature: room temperature

Storage class: 10

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Specific end use(s) No further relevant information available.

* 8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

CAS: 1333-86-4 Carbon black

PEL	Long-term value: 3.5 mg/m ³
REL	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m ³ *inhalable fraction, A3

Regulatory information

PEL: Guide to Occupational Exposure Values (OSHA PELs)

REL: Guide to Occupational Exposure Values (NIOSH RELs)

TLV: Guide to Occupational Exposure Values (TLV)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Additional information about design of technical systems:

No further data; see item 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Avoid contact with the eyes and skin.

Avoid breathing mist/vapours/spray.

Take off contaminated clothing and wash it 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.

Breathing equipment:

If vapours/aerosols and/or inadequate ventilation are present, respiratory protection must be worn.

Protection of hands:

Protective gloves recommended.

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Material recommendation:

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Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear protective goggles if there is a risk of splashing.

EN 166

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

*** 9 Physical and chemical properties**

Information on basic physical and chemical properties

General Information

Color:	Black
Odor:	Characteristic
Odor threshold:	No information available.
Melting point/Melting range:	No information available.
Boiling point/Boiling range:	No information available.
Flammability (solid, gaseous):	Not applicable.
Explosion limits:	
Lower:	No information available.
Upper:	No information available.
Flash point:	215 °C (419 °F)
Decomposition temperature:	No information available.
pH-value:	Not determined.
Viscosity:	
Kinematic:	No information available.
Dynamic:	No information available.
Solubility in / Miscibility with	
Water:	Insoluble.
Partition coefficient (n-octanol/water):	

25322-69-4	Polypropylene glycol	0,3 - 0,9 log Kow
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Vapor pressure:	Not determined.
Density at 20 °C (68 °F):	1 g/cm ³ (8.345 lbs/gal)
Vapor density	No information available.

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Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Auto igniting:

25322-69-4	Polypropylene glycol	305 ° C
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Danger of explosion: Product does not present an explosion hazard.

Solvent content:

VOC content: 0.00 %

Change in condition

Oxidizing properties None.

Evaporation rate No information available.

*** 10 Stability and reactivity**

Reactivity No hazardous reactions known if stored and used as prescribed.

Chemical stability No decomposition if used and stored according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid Heat, high temperatures, contact with incompatible materials

Incompatible materials:

- strong oxidizing agents
- peroxides
- heavy metals

Hazardous decomposition products: No decomposition if used and stored according to specifications.

*** 11 Toxicological information**

Information on toxicological effects

Inhalation: May cause slight respiratory tract irritation.

Skin contact: May cause slight dermal irritation.

Eye contact: May cause slight irritation of eyes.

Ingestion: May cause harmful effects.

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:		
CAS: 25322-69-4 Polypropylene glycol		
Oral	LD50	> 2,000 mg/kg (rat)
CAS: 1333-86-4 Carbon black		
Oral	LD50	> 10,000 mg/kg (rat)

on the skin: Based on available data, the classification criteria are not met.

on the eye: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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Carcinogenicity

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.

Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
CAS: 1333-86-4	Carbon black	2B
NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

*** 12 Ecological information**

Toxicity

Aquatic toxicity:

CAS: 25322-69-4 Polypropylene glycol		
LC50 (96 h)	1,700 mg/l (fish) (Lepomis macrochirus)	

Persistence and degradability

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

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

25322-69-4	Polypropylene glycol	86,6 % (28 d)
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Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT:

Polypropylene glycol (CAS: 25322-69-4):

The criteria for PBT are not met.

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

Not applicable for inorganic substances.

vPvB:

Polypropylene glycol (CAS: 25322-69-4):

The criteria for vPvB are not met.

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

Not applicable for inorganic substances.

Not applicable.

Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

*** 13 Disposal considerations**

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Only dispose of product residues via authorised companies according to local legislation.

Uncleaned packagings:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

*** 14 Transport information**

UN-Number

DOT, IMDG, IATA not regulated

UN proper shipping name

DOT, IMDG, IATA not regulated

Transport hazard class(es)

DOT, ADN, IMDG, IATA

Class not regulated

Packing group

DOT, IMDG, IATA not regulated

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation": not regulated

*** 15 Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

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Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

CAS: 1333-86-4 Carbon black

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

CAS: 1333-86-4 Carbon black

A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

CAS: 1333-86-4 Carbon black

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

*** 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.

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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.

Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Email: office@umena.at

Date of preparation / last revision 08/02/2022

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Carcinogenicity 2: Carcinogenicity – Category 2

*** Data compared to the previous version altered.**