

SDS Service Summary

No.: SHAHL24009943001

Date: 03 Jun 2024

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SGS Job No.	:	SHHL2405024983ST
Applicant	:	[REDACTED]
Product Name	:	Ball pen ink blue
Composition/Ingredient of product (as per applicant submission)	:	See section 3 Composition/information on ingredients on the SDS
Job Receiving Date	:	15 May 2024
Last Information Date	:	20 May 2024
SDS Preparation Period	:	15 May 2024-21 May 2024
Service Requested	:	Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product.

SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.



Echo Cai
Project Engineer

Safety data sheet

Regulation (EC) No.1907/2006 and No.1272/2008

Printing date 21.05.2024

Version number 1

Revision date 21.05.2024

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

- **1.1 Product identifier**
- **Trade name:** Ball pen ink blue
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Stationery
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- Tel: 13979199077
- E-mail:
- **Only Representative/ other EU contact point:** Not available
- **1.4 Emergency telephone number:**
 IRELAND
 National Poisons Information Centre
 Tel: +353 (01) 809 2566 (For healthcare professionals)
 +353 (01) 809 2166 (For public; 8am - 10pm)
- **1.5 Reference Number:** SHHL2405024983ST; SHAHL24009943001

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 

GHS05 corrosion

 Eye Dam. 1 H318 Causes serious eye damage.
- 

GHS07

 Acute Tox. 4 H302 Harmful if swallowed.
- **Information concerning particular hazards for human and environment:**
 The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**
 The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
- 



GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
 2-phenoxyethanol
 Benzyl alcohol
 Trihydrogen [29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-), compound with
 N,N'-di(o-tolyl)guanidine (1:3)
 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]
 diethylammonium chloride

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· Hazard statements

H302 Harmful if swallowed.

H318 Causes serious eye damage.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear eye protection / face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards**· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Determination of endocrine-disrupting properties** Not applicable**SECTION 3: Composition/information on ingredients****· 3.2 Mixtures****· Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· Composition:

CAS: 25054-06-2	Formaldehyde, polymer with cyclohexanone	23.0%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332 substance with a Union workplace exposure limit	15.0%
CAS: 122-99-6 EINECS: 204-589-7 Index number: 603-098-00-9	2-phenoxyethanol ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; STOT SE 3, H335 ATE: LD50 oral: 1,394 mg/kg substance with a Union workplace exposure limit	15.0%
CAS: 24969-06-0	Oxirane, 2-(chloromethyl)-, homopolymer	14.0%
CAS: 52080-58-7	[4-[4,4'-Bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]methylimine	10.0%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol substance with a Union workplace exposure limit	9.0%
CAS: 72928-60-0 EINECS: 277-086-3	Trihydrogen [29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]cuprate(3-), compound with N,N'-di(o-tolyl)guanidine (1:3) ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	6.0%
CAS: 2390-60-5 EINECS: 219-232-0	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride ⚠ Acute Tox. 3, H301; ⚠ Aquatic Acute 1, H400; ⚠ Eye Irrit. 2, H319	4.0%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2''-nitrilotriethanol substance with a Union workplace exposure limit	3.0%

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CAS: 9003-39-8

2-Pyrrolidinone, 1-ethenyl-, homopolymer

1.0%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth with water. Never give anything by mouth to an unconscious person. Call for a doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
Indication of any immediate medical attention and special treatment needed.
- **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**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with eyes.
Avoid contact with skin.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
- **6.4 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.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Keep receptacles tightly sealed.

Open and handle receptacle with care.

For the general occupational hygienic measures refer to Section 8.

· Information about fire - and explosion protection:

Normal measures for preventive fire protection.

Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

· Information about storage in one common storage facility: Store away from foodstuffs.

· Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 122-99-6 2-phenoxyethanol

AGW (Germany)	Long-term value: 5.7 mg/m ³ , 1 ppm
	1(I);DFG, Y, 11

CAS: 100-51-6 Benzyl alcohol

AGW (Germany)	Long-term value: 22 mg/m ³ , 5 ppm
	2(I);DFG, H, Y, 11

CAS: 57-55-6 propane-1,2-diol

MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc
OEL (Ireland)	Long-term value: 470* 10** mg/m ³ , 150* ppm
	*total vapour and particulates **particulates

CAS: 102-71-6 2,2',2''-nitrilotriethanol

AGW (Germany)	Long-term value: 1 E mg/m ³
	1(I);DFG, Y
OEL (Ireland)	Long-term value: 5 mg/m ³

· Regulatory information

AGW (Germany): TRGS 900

MAK (Germany): MAK- und BAT-Liste

OEL (Ireland): 2024 CoP for the Safety, Health and Welfare at Work

· DNELs: Data not available

· PNECs: Data not available

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

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- **Appropriate engineering controls**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.

- **Individual protection measures, such as personal protective equipment**

- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Hand protection**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **Material of gloves:**

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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **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.

- **Eyeface protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

- **Thermal hazards:** Not required for normal conditions of use.

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

· Physical state	Liquid
· Colour:	Blue
· Odour:	Odourless
· Odour threshold:	Data not available
· Melting point/freezing point:	Data not available
· Boiling point or initial boiling point and boiling range	Data not available
· Flammability	Data not available
· Lower and upper explosion limit	
· Lower:	Data not available
· Upper:	Data not available
· Flash point:	100.6 °C
· Auto-ignition temperature:	436 °C
· Decomposition temperature:	Data not available
· pH	6-9 (Room temperature)

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· Viscosity:	
· Kinematic viscosity	Data not available
· Dynamic viscosity:	5000~7000 mPas
· Solubility	
· water:	Data not available
· Partition coefficient n-octanol/water (log value)	Data not available
· Vapour pressure:	Data not available
· Density and/or relative density	
· Density:	1.1 g/cm ³
· Relative density:	Data not available
· Relative vapour density:	Data not available
· Particle characteristics:	Data not available

· 9.2 Other information

· Appearance:	
· Form:	Gel

· Information with regard to physical hazard classes	
· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidising liquids	Not applicable
· Oxidising solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· Other safety characteristics	Data not available

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specifications.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Harmful if swallowed.

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· LD/LC50 values relevant for classification:		
CAS: 100-51-6 Benzyl alcohol		
Oral	LD50	1,230 mg/kg (rat)
CAS: 122-99-6 2-phenoxyethanol		
Oral	LD50	1,394 mg/kg (ATE) 1,260 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)
CAS: 57-55-6 propane-1,2-diol		
Oral	LD50	20,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)
CAS: 72928-60-0 Trihydrogen [29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32] cuprate(3-), compound with N,N'-di(o-tolyl)guanidine (1:3)		
Oral	LD50	300-2,000 mg/kg (rat)
CAS: 2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride		
Oral	LD50	100 mg/kg (rat)
CAS: 102-71-6 2,2',2''-nitrilotriethanol		
Oral	LD50	5,846 mg/kg (mouse) 5,530 mg/kg (rat) 2,220 mg/kg (rabbit)
Dermal	LD50	>22,500 mg/kg (rabbit)
CAS: 9003-39-8 2-Pyrrolidinone, 1-ethenyl-, homopolymer		
Oral	LD50	>40,000 mg/kg (mouse) 100,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· **Endocrine disrupting properties**

None of the ingredients is listed.

- **Other information** No further relevant information available.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN number or ID number | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | |
| · ADR/RID/ADN, IMDG, IATA | |
| · Class | Not applicable |
| · Label | Not applicable |
| · 14.4 Packing group | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable |
| · 14.8 Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Not applicable |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· Regulation (EU) No 649/2012

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

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· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)

None of the ingredients is listed.

· Other regulations, limitations and prohibitive regulations**· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (23/1/2024)**

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction ((25/9/2023)**See Section 16 for information about restriction of use.**

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List (13/11/2023)

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information****· Relevant hazard statements**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

· Classification according to Regulation (EC) No 1272/2008

Acute toxicity - oral

Serious eye damage/irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or 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 disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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*CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**ATE: Acute toxicity estimate values**Acute Tox. 3: Acute toxicity – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

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