

Safety Data Sheet
According to Regulation (EC) No 1907/2006

Ball pen ink Blue

Version 1.0

Issue date: 16/03/2015

Revision date: 16/03/2015

SDS Record Number: CSSS-TCO-010-116369

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Ball pen ink Blue

Additional identification: -

Identification of the product: See section 3

Index Number: Not available

REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -

Supplier(Manufacturer):

Address:

Contact person(E-mail):

Telephone:

Fax:

1.4 Emergency telephone Number:

Available outside office hours?

YES

☐

NO

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Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to 1999/45/EC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categorie	Hazard statement
Acute Tox.4	H302
Skin Irrit. 2	H315
Skin.Sens.1	H317
Eye Irrit.2	H319

For full text of H- phrases: see section 2.2.

1999/45/EC	
Hazards characteristics	R-Phrases
Xn	R22

Xi	R36/38
-	R43

For full text of R- phrases: see section 16.

2.2 label elements:

Hazard Pictograms:



Signal Word(S):

Warning

Hazard Statement:

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

Precautionary statement:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

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

P330 Rinse mouth.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
2-Phenoxy Ethanol		122-99-6	204-589-7	25%
Benzyl alcohol		100-51-6	202-859-9	15%
BX		147-14-8	205-685-1	15%
Solvent blue 4		6786-83-0	229-851-8	15%
1,2-propanediol		4254-14-2		10%

Keton resin		25054-06-2		10%
Castor oil resin		66070-88-0		5%
Triethanolamine		102-71-6	203-049-8	4%
Phosphoric acid ester		90506-69-7	291-933-4	1%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel.

4.1.2 In case of skin contact:

Wash thoroughly with soap and water.

4.1.3 In case of eyes contact:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

4.1.4 In case of ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed:

The product is harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water, dry extinguishing media, carbon dioxide, alcohol resistant foams.

Unsuitable extinguishing media: Direct water stream.

5.2 Special hazards arising from the substance or mixture

None Special hazards.

5.3 Special fire fighting methods and special protective actions for fire-fighters:

Wear a self-contained breathing apparatus.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Ensure good ventilation/exhaustion at the workplace.

6.1.2 For emergency responders: Not available.

6.2 Environmental Precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

- 6.3 Methods for Containment and Cleaning up:** For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with regulations.
- 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 information on disposal.
- 6.5 Additional information:** Not applicable.

Section 7 Handling and storage

- 7.1 Precautions for safe handling:**
- 7.1.1 Protective measures:** Do not swallow. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation.
- 7.1.2 Advice on general occupational hygiene:** Prevent contact with air/oxygen (formation of peroxide).
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- 7.3 Specific end use(s):** Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:	Substance	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
		CAS No.	ppm	mg/ m ³	ppm	mg/ m ³
	Benzyl alcohol	100-51-6	10	45	-	-
	2-Phenoxy Ethanol	122-99-6	20	110	50	290
	Triethanolamine	102-71-6	-	5	-	-

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses with side shields. Chemical goggles.

Hand protection: Wear chemical protective gloves, e.g. PVC.

Body protection: Not available.

Respiratory protection: Wear appropriate protective mask.

Thermal hazards: Not available.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Blue
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	11.8 °C (CAS#122-99-6)
Boiling point/range (°C):	244.3 °C (CAS#122-99-6)
Flash point (°C):	126 °C (CAS#122-99-6)
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	0.014 hPa(20 °C) (CAS#122-99-6)
Vapour density:	Not available
Relative Density:	1.11(20 °C) (CAS#122-99-6)
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	24.2 g/L(20.7 °C pH=5.5) (CAS#122-99-6)
n-Octanol/Water (log Po/w):	1.2 (23 °C) (CAS#122-99-6)
Auto-ignition temperature:	475 °C (CAS#122-99-6)
Decomposition temperature:	> 350 °C(CAS#122-99-6)
Viscosity, dynamic (mPa.s):	19 mPa s (dynamic)(40.5 °C) (CAS#122-99-6)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not applicable
Molecular Weight:	Not applicable

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	70.7 mN/m(CAS#122-99-6)
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous decomposition products: Not available.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

11.2 Information on toxicological effects:

Acute toxicity:

2-Phenoxy Ethanol (CAS#122-99-6)

LD50(Oral, Rat): 1850 mg/kg bw

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): > 1000 mg/m³ air

Benzyl alcohol (CAS#100-51-6)

LD50(Oral, Rat): 1620 mg/kg bw

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): > 4178 mg/m³ air 4h

Solvent black46 (CAS#65113-55-5)

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rabbit): > 2000 mg/kg bw

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

Toxicity:

2-Phenoxy Ethanol (CAS#122-99-6)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	344 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	> 500 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 500 mg/L	72h	Algae	OECD 201	N/A	N/A

Benzyl alcohol (CAS#100-51-6)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	460 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	230 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	770 mg/L	72h	Algae	OECD 201	N/A	N/A

Triethanolamine (CAS#102-71-6)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	11800 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	609.88 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	512 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.
Bioaccumulative potential: Not available.
Mobility in soil: Not available.
Results of PBT&vPvB assessment: Not available.
Other adverse effects: No known significant effects or critical hazards.

Section 13 Disposal considerations

13.1 Waste treatment methods: Dispose of contents/container in accordance with local regulations.
13.2 Product / Packaging disposal: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.
Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations: Not applicable
Chemical Safety Assessment has been carried out? YES ☐ NO ☒

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by EU No 453/2010

Product name: Ball pen ink Blue

Version #: 1.0

Issue date: 16-03-2015.

Revision date: 16-03-2015

SDS EU

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16.2 Relevant R- phrases (number and full text):

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin

R43 May cause sensitisation by skin contact

16.3 Training instructions:

Not applicable.

16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.