

Ball Point Pen Inks - B-460 Ink Blue

01 Identification of the substance / preparation and of the company

Product: Ball Point Pen Ink
 Use: Writing
 Company: HI SHINE INKS
 C-1/204, G.I.D.C, ANTALIA - 396325.
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02 Composition / Information on ingredients

Substance	CAS NO	Symbol/R-phr	Range [%]
2 Phenoxy Ethanol	122-99-6	Xn R-22-36	20 - 40%
Benzyl Alcohol	100-51-6	Xn R-20/22	5 - 10%
Resin	25054-06-02	N.A.	20 - 40%
Oleic Acid / Similar	112-80-1	N.A.	5 - 10%
Soln. Violet-8	52080-58-7	Xn R-22-41	3 - 10%
Soln. Blue-4	6786-83-0	Xn R-22	3 - 10%

03 Hazards identification



Xn Harmful

R-22 Harmful if swallowed

R-36 Irritating to eyes.

R-41 Risk of serious damage to eyes.

Classification method:

The classification is according to EU-Lists and by company product literature data.

04 First aid measures

General information

Inhalation

Change soaked clothing & after an accident see for a medical observation.
 Ensure supply of fresh air. In the event of symptoms refer for medical treatment

Skin contact

In case of contact with skin wash off immediately with soap and water.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion

Summon a doctor immediately.

05 Fire-fighting measures

Suitable extinguishing media

Foam. Dry powder. Water spray jet. Carbon dioxide, Alcohol Foam Resistant.

Special protective equipment for firefighters

No special measures required.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations

09 Physical and chemical properties

Form:	Liquid/Paste
Colour:	Blue
Odour:	Characteristic
pH-value @ R. Temp	6 - 8
Boiling point [°C]:	> 190° C
Flash point [°C]:	> 94° C
Ignition Temp.	> 230° C
Lower explosion limit:	1.5 Vol. %
Upper explosion limit:	12 Vol. %
Combustible properties:	No.

Vapour pressure [kPa]:

Not established

**Density
Solubility in water:**

Not determined
Insoluble/Difficult
to Mix.
4000 +/- 1000 cps
Not Established

**Viscosity:
Relative vapour density
Determined in air:**

**Melting point [°C]:
Autoignition temperature**

Not determined.
Not self ignition.

10 Stability and reactivity

*** Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

* **Dangerous reactions** No dangerous reactions known.

* **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

*** Acute toxicity:**

*** LD/LC50 values relevant for classification:**

122-99-6 2-Phenoxyethanol

Oral	LD50	1980 mg/kg (Ratte)
Benzylalcohol	LD 50	1230 mg/kg (Ratte)

Primary irritant effect:

* **On the skin:** Irritant to skin and mucous membranes.

* **On the eye:** Strong irritant with the danger of severe eye injury.

* **Sensitization:** No sensitizing effects known.

*** Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version:

Harmful

Irritant

12 Ecological information

General information

Do not allow product to reach ground water course or sewage system, even in small quantity, Danger to Drinking water if even extremely small quantities leak in to the Ground.
Also poisonous for fish & plankton in water bodies.
Toxic for water bodies.

13 Disposal considerations

Disposal / Product

Waste no. (recommended)

Disposal in accordance with the regulations of the local authorities.

*** European waste catalogue**

08 00 00	WASTE FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VERNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	Wastes from MFSU and removal of paint and varnish
08 01 13	Sludges from paint or varnish containing organic solvents or other dangerous substances.

Disposal / Contaminated packaging

Uncontaminated packaging may be taken for recycling & contaminated packing should be disposed as per local regulations.

14 Transport information

Classification according to

Not classified as dangerous in the meaning of transport regulations.

- * Land Transport ADR/RID (cross — border)
- * ADR/RID Class: -
- * Maritime transport IMDG:
- * IMDG Class: -
- * Marine pollutant: No
- * Air transport ICAO-TI and IATA — DGR:
- * ICAO/IATA Class: -
- * Packaging group: Not applicable

15 Regulatory information

15.1

* Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

* Code letter and hazard designation of product:



Xn Harmful

* Hazard —determining components of labelling:

2-Phenoxyethanol

* Risk phrases:

- 22 Harmful if swallowed
- 38 Irritating to skin
- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.
- 51 Toxic to aquatic organisms.
- 53 May cause long term adverse effects in the aquatic environment.

* Safety phrases:

- 2 Keep out of the reach of children.
- 24 / 25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 56 Dispose of this material and its container to hazardous or special waste collection point.

15.2 National regulations(gb)

* National regulations:

* Technical instructions (air):

Class	Share in %
NK	36,9

15.3 Water hazard class:

Water hazard class 3 (Self — assessment) : extremely hazardous for water.

16 Other Informations

This information is based on our present knowledge. However, this shall not constitute a guarantee for any product features and shall not establish a legally valid contractual relationship.

06 Accidental release measures

Personal precautions

Environmental precautions

Methods for cleaning up/taking up

Ensure adequate ventilation. Keep away sources of ignition. High risk of slipping due to leakage/spillage of product.
Do not discharge into the drains/ surface waters/ groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers)
Take up with absorbent material (e.g. Sand, Dry clay, Vermiculite, Wipe up small spills with cloth). Dispose of absorbed material in accordance with the regulation.

07 Handling and storage

*** Handling:**

*** Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

*** Information about fire -- and explosion protection:** No special measures required.

*** Storage:**

*** Requirements to be met by storerooms and receptacles:** No special requirements.

*** Information about storage in one common storage facility:** Not required

*** Further information about storage conditions:** None

08 Exposure controls / personal protection

Ensure adequate ventilation on workstation.

Respiratory protection

Hand protection

Eye protection

Skin protection

General protective measures

Hygiene measures

Use Protective Mask.

Protective gloves should be used.

Safety glasses to avoid the possibility of splashing in the eyes.

Avoid contact with the skin.

Do not inhale vapours. Avoid contact with eyes and skin.

At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Use barrier skin cream.