

SAFETY DATA SHEET (SDS)



Ball pen ink black

1: Product and Manufacturer Identification

Product Name : Ball pen ink black
Product Code / Other Names : Pen I T E M 1 3 1 1 1 0 9
Material Uses : Writing
Manufacturer Name : Beifa Group Co.,Ltd
Street Address : NO.298 Jangnan Road (east)
City, State, Province : Beilun, Ningbo, Zhejiang Province.
Country & Post Code : China
Emergency Contacts : 86-574-5678-6533

2: Hazard(s) Identification

Physical State : Liquid
Odor : N/A
WHMIS Status (Canada) : N/A
Hazard Statements or Symbols : N/A
OSHA/HCS Status (USA) : N/A
Hazard Statements or Symbols : Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause
Emergency Overview : N/A
Possible Routes of Entry : N/A

Potential Acute Health Effects

Inhalation : acute toxicity-oral
Ingestion : Harmful if swallowed
Skin Contact : skin irritation,an allergic skin reaction
Eye Contact : cause serious eye damage /eye irritation

Potential Chronic Health Effects

Chronic Effects : N/A
Carcinogenicity : N/A
Mutagenicity : N/A
Teratogenicity : N/A
Developmental Effects : N/A
Fertility Effects : N/A
Medical conditions aggravated by : N/A
Additional hazards not otherwise : N/A

3: Composition / Information on Ingredients

Ingredient Name or Description	CAS Number	%
solvent black 46	65113-55-5	30%
Benzyl alcohol	100-51-6	25%
2-Phenoxy Ethanol	122-99-6	20%
Keton resin	25054-06-2	14%
Epoxy resin	24969-06-0	6%
Triethanolamine	102-71-6	4%
Phosphoric acid ester	90506-69-7	1%

Additional Composition Details :

4: First-aid Measures

Eye Contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
Skin Contact : Wash thoroughly with soap and water.
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.
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.
Protection for First-aid Providers : N/A
Notes to Physician : Treat symptoms

SAFETY DATA SHEET (SDS)



Ball pen ink black

5: Fire-fighting Measures

Flammability of the Product : This product is non-flammable.

Extinguishing Media/Methods

- Suitable : Water, dry extinguishing media, carbon dioxide, alcohol resistant foams
- Not Suitable : Direct water stream.
- Special Exposure Hazards : N/A
- Products of Combustion : None Special hazards caused by the substance.
- Special Protective Equipment Needed for : In the event of fire, wear self-contained breathing apparatus.
- Special Remarks on Fire Hazards : N/A
- Special Remarks on Explosion Hazards : N/A

6: Accidental Release Measures

- Personal Precautions : Ensure good ventilation/exhaustion at the workplace.
- Protective Equipment : wear protective clothing
- Environmental Precautions : Contain contaminated water/firefighting water. Do not discharge into drains/surface

Cleaning / Containing

- Small Spill : Pick up with suitable absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with
- Large Spill : Pump off product

7: Handling and Storage

- Safe Handling Precautions : Prevent contact with air/oxygen (formation of peroxide). General Handling: Do not swallow. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
- Safe Storage Precautions : 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

8: Exposure Controls/Personal Protection

Ingredient Name/Description	Exposure Limits
Triethanolamine	5mg/m3

- Recommended Monitoring Procedures : No further data
- Engineering Measures : N/A
- Hygiene Measures : N/A

Personal Protection

- Respiratory : Wear appropriate protective mask.
- Hands : wear gloves
- Eyes : Safety glasses with side shields. Chemical goggles.
- Skin : Wear chemical protective gloves, e.g. PVC.
- Environmental Exposure : N/A

9: Physical and Chemical Properties

- Physical State : Liquid
- Flash Point (°C and °F) : 126 °C (CAS#122-99-6)
- Auto-ignition Temperature (°C and °F) : 475 °C (CAS#122-99-6)
- Flammable Limits : N/A
- Color : black
- Odor : N/A
- Odor Threshold : N/A
- pH : N/A
- Boiling/Condensing Point (°C and °F) : 244.3 °C (CAS#122-99-6)
- Melting/Freezing Point (°C and °F) : 11.8 °C (CAS#122-99-6)
- Relative Density : 1.11(20 °C) (CAS#122-99-6)
- Vapor Pressure : 0.014 hPa(20 °C) (CAS#122-99-6)
- Vapor Density : N/A
- Volatility : N/A
- Evaporation Rate : Not determined
- Viscosity : 19 mPa s (dynamic)(40.5 °C) (CAS#122-99-6)
- Pour Point (°C and °F) : Not determined
- Solubility : 24.2 g/L(20.7 °C pH=5.5) (CAS#122-99-6)

10: Stability and Reactivity

- Chemical Stability : Material is stable under normal conditions.

SAFETY DATA SHEET (SDS)



Ball pen ink black

Hazardous Polymerization : Not dangerous
 Materials to Avoid : Strong acids. Strong bases. Strong oxidizers.
 Hazardous Decomposition Products : N/A

11: Toxicological Information

Acute Toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
2-Phenoxy Ethanol (CAS#122-99-6)		LD50(Oral, Rat) LD50(Dermal, Rabbit) LC50(Inhalation, Rat)	1850 mg/kg bw Not available > 1000 mg/m ³ air	
Benzyl alcohol (CAS#100-51-6)		LD50(Oral, Rat) LD50(Dermal, Rabbit) LC50(Inhalation, Rat)	1620 mg/kg bw Not available > 4178 mg/m ³ air 4h>	
Solvent black46 (CAS#65113-55-5)		LD50(Oral, Rat) LD50(Dermal, Rabbit) LC50(Inhalation, Rat)	> 2000 mg/kg bw > 2000 mg/kg bw Not available	

Chronic Toxicity

Conclusion/Summary : Not dangerous

Irritation/Corrosion

Conclusion/Summary : Causes skin irritation. Causes serious eye damage

Sensitizer

Conclusion/Summary : May cause an allergic skin reaction.

Carcinogenicity

Conclusion/Summary : No

Classification

Product/Ingredient Name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA

Mutagenicity

Conclusion/Summary : N/A

Teratogenicity

Conclusion/Summary : N/A

Reproductive Toxicity

Conclusion/Summary : N/A

12: Ecological Information*

Environmental Effects

Aquatic Ecotoxicity

Conclusion/Summary : Hazardous for water

Biodegradability

Conclusion/Summary : No further relevant information available

Other Adverse Effects : No further relevant information available

13: Disposal Considerations*

Waste Disposal : Dispose of contents/container in accordance with local/regional/national/international

Additional References/Details : No further relevant information available

14: Transport Information*

Regulatory Information	UN #	Proper Shipping Name	Classes	PG	Label	Additional Information
TDG Classification						
DOT Classification	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S(Solvent black46)	9	III		

Special Precautions :

15: Regulatory Information*

United States

HCS Classification : All of the ingredient are listed

Canada

WHMIS Classification : All of the ingredient are listed

International Regulations

Canada Inventory : N/A

SAFETY DATA SHEET (SDS)



Ball pen ink black

United States Inventory (TSCA) : All of the ingredient are listed

Europe Inventory : N/A

Additional Regulatory Statements : N/A

16: Other Information

Hazardous Material Information System (United States) : Health: 2 Flammability: 1 Physical hazard: 0

National Fire Protection Association : Health: 2 Flammability: 1 Instability: 0

Additional References : N/A

Date of Original Issue : 19th Jan. 2015

Date of Current Revision : 23th Mar. 2015

Name of Responsible Party : Beifa

Contact for Copies of SDS : N/A

Additional Comments/Notices : N/A