1: Product and Manufacturer Identification

Product Name: Ball pen ink black
Product Code / Other Names: ITA36175, ITA30031, ITA38089, ITA82970, ITA30027, ITA30030, BSN37501, BSN37503, BSN25050, ITA82952, ITA30084, ITA82955, ITA36190, BSN37531
Material Uses: Ink
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: Not available
WHMIS Status (Canada): Not available
Hazard Statements or Symbols: Hazardous if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.
OSHA/HCS Status (USA): Not available
Hazard Statements or Symbols: Not available
Emergency Overview: Not available
Possible Routes of Entry: Not available
Potential Acute Health Effects: Not available

Inhalation: Not available
Ingestion: Not available
Skin Contact: Not available
Eye Contact: Not available

Potential Chronic Health Effects

Chronic Effects: Not available
Carcinogenicity: Not available
Mutagenicity: Not available
Teratogenicity: Not available
Developmental Effects: Not available
Fertility Effects: Not available
Medical conditions aggravated by: Not available

Additional hazards not otherwise classified: Not available

3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name or Description</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>solvent black 46</td>
<td>65113-55-5</td>
<td>30%</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>25%</td>
</tr>
<tr>
<td>2-Phenoxy Ethanol</td>
<td>122-99-6</td>
<td>20%</td>
</tr>
<tr>
<td>Keton resin</td>
<td>25054-06-2</td>
<td>14%</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>24969-98-0</td>
<td>6%</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>4%</td>
</tr>
<tr>
<td>Phosphoric acid ester</td>
<td>90506-69-7</td>
<td>1%</td>
</tr>
</tbody>
</table>

Additional Composition Details: Not available

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: Not available
Notes to Physician: Treat symptoms

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: None
Products of Combustion: None
Special Protective Equipment Needed for Fire-fighters: Not available
Special Remarks on Fire Hazards: In the event of fire, wear self-contained breathing apparatus.
Special Remarks on Explosion Hazards: Not available

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
Ball pen ink black

**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

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**8: Exposure Controls/Personal Protection**

<table>
<thead>
<tr>
<th>Ingredient Name/Description</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine</td>
<td>5mg/m³</td>
</tr>
</tbody>
</table>

Recommended Monitoring Procedures: No further data
Engineering Measures: Not available
Hygiene Measures: Not available

**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 Controls**: Not available

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**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: Not available
Color: black
Odor: Not available
Odor Threshold: Not available
pH: Not available

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: Not available
Volatility: Not available
Evaporation Rate: Not determined
Viscosity: 24.2 g/L (20.7 °C pH=5.5) (CAS#122-99-6)

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**10: Stability and Reactivity**

Chemical Stability: Material is stable under normal conditions.
Hazardous Polymerization: Not dangerous
Hazardous Decomposition Products: Not available.

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**11: Toxicological Information**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Phenoxy ethanol (CAS#122-99-6)</td>
<td>N/A</td>
<td>LD50(Oral, Rat)</td>
<td>1850 mg/kg bw</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50(Dermal, Rabbit)</td>
<td>&gt; 2000 mg/kg bw</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50(Inhalation, Rat)</td>
<td>&gt; 4178 mg/m³ air 4h</td>
<td></td>
</tr>
</tbody>
</table>

| Benzyl alcohol (CAS#100-51-6) | N/A    | LD50(Oral, Rat) | 1620 mg/kg bw | Not available |
|                                |        | LD50(Dermal, Rabbit) | > 2000 mg/kg bw | Not available |
|                                |        | LC50(Inhalation, Rat) | > 4178 mg/m³ air 4h | |

| Solvent black46 (CAS#65113-55-5) | N/A    | LD50(Oral, Rat) | > 1850 mg/kg bw | Not available |
|                                   |        | LD50(Dermal, Rabbit) | > 1000 mg/kg bw | Not available |
|                                   |        | LC50(Inhalation, Rat) | > 4178 mg/m³ air 4h | |

**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: Not classified

**Classification**

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>AGCIH</th>
<th>IARC</th>
<th>EPA</th>
<th>NIOSH</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Mutagenicity**

Conclusion/Summary: Not classified

**Teratogenicity**

Conclusion/Summary: Not classified

**Reproductive Toxicity**

Conclusion/Summary: Not classified

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**12: Ecological Information**

**Aquatic Ecotoxicity**

Conclusion/Summary: Hazardous for water

**Biodegradability**

Conclusion/Summary: No further relevant information available
SAFETY DATA SHEET (SDS)

Ball pen ink black

13: Disposal Considerations*

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

Additional References/Details: No further relevant information available.

14: Transport Information*

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN #</th>
<th>Proper Shipping Name</th>
<th>Classes</th>
<th>PG</th>
<th>Label</th>
<th>Special Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG Classification</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>DOT Classification</td>
<td>3082</td>
<td>LIQUID, N.O.S(Solvent black46)</td>
<td>9</td>
<td>I</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

15: Regulatory Information*

**United States**

- **HCS Classification**: Not applicable

**Canada**

- **WHMIS Classification**: Not applicable

**International Regulations**

- **Canada Inventory**: Not applicable
- **United States Inventory (TSCA 8b)**: All of the ingredient are listed
- **Europe Inventory**: Not applicable

**Additional Regulatory Statements**: Not applicable

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**: 01-19-2015
- **Date of Current Revision**: 05-11-2015
- **Name of Responsible Party**: Beifa
- **Contact for Copies of SDS**: N/A
- **Additional Comments/Notices**: N/A

No further relevant information available.