

# Safety Data Sheet

## OSHA 29 CFR 1910.1200

EFHZ22090956-CG-01

Printing Date: September 19,  
2022

Version No.: 1.0

Trade name: Ballpen ink (black)

### 1 Identification

- **Product identifier**
- **Trade name:**  
Ballpen ink (black)
- **Other means of identification:**  
No available data.
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance/ mixture:**  
Consumer uses, writing, drawing
- **Country Of Origin:** China
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel: +086 574-87670003

Fax: +086 574-87383226

Email:

National: cookie

- **Other US contact point:**

Information not available

- **Further information obtainable from:**

- **Emergency telephone number**

US Poison Center

Tel: + 1 800 222 1222 (24hours available)

### 2 Hazard(s) identification

- **Classification of the substance or mixture:**

| Hazard class                                                                 | Hazard category |
|------------------------------------------------------------------------------|-----------------|
| Acute toxicity-oral,                                                         | Category 4      |
| Skin corrosion/irritation                                                    | Category 2      |
| Sensitization-skin                                                           | Category 1A     |
| Serious eye damage/eye irritation                                            | Category 1      |
| Specific target organ toxicity, single exposure—Respiratory tract irritation | Category 3      |

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.

- **Label elements**

- **Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms:**



- **Signal word:**

Danger

- **Hazard-determining components of labelling:**

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## OSHA 29 CFR 1910.1200

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*Printing Date: September 19,  
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Solvent Black 46; Benzyl alcohol; Phenoxyethanol.

• **Hazard statements:**

Harmful if swallowed

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

May cause respiratory irritation

• **Precautionary statement:**

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

Keep out of reach of children.

Read label before use.

Avoid breathing vapors/mist

Avoid breathing vapors.

Wash hands and face thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

Wear protective gloves/eye protection/face protection.

Contaminated work clothing must not be allowed out of the workplace.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Call a poison center/doctor, if you feel unwell.

If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Specific treatments see the first aid measures on this label.

Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local regulations.

• **Hazards not otherwise classified (HNOC):**

No known otherwise classified hazards.

### 3 Composition/information on ingredients

• **Chemical characterization:**

Mixture

• **Description:**

Ballpen ink(black).

• **Components:**

| CAS No.    | Composition Name                         | w/w, % |
|------------|------------------------------------------|--------|
| 65113-55-5 | Solvent Black 46                         | 30     |
| 100-51-6   | Benzyl alcohol                           | 25     |
| 122-99-6   | Phenoxyethanol                           | 20     |
| 25054-06-2 | Formaldehyde, polymer with cyclohexanone | 14     |
| 24969-06-0 | Epoxy resin                              | 6      |
| 102-71-6   | Triethanolamine                          | 4      |
| 90506-69-7 | Phosphoric acid ester                    | 1      |

### 4 First aid measures

• **Description of first aid measures**

**After inhalation:**

Remove person to fresh air and keep comfortable for breathing.

*Printing Date: September 19,  
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*Version No.: 1.0*

*Trade name: Ballpen ink (black)*

If feel unwell, get medical advice/attention.

**After skin contact:**

Wash with plenty of water.

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

**After eye contact:**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

**After swallowing:**

Rinse mouth.

If feel unwell, get medical advice/attention.

• **Information for doctor**

• **Most important symptoms and effects, both acute and delayed:**

Harmful if swallowed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation.

• **Indication of any immediate medical attention and special treatment needed:**

Treat according to symptom, there is not known specific medicine.

### 5 Fire-fighting measures

• **Suitable extinguishing agents:**

Use CO<sub>2</sub>, powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet.

• **Special hazards arising from the substance or mixture:**

May form irritant / allergic mist/vapor in air.

• **Special protective equipment and precaution for firefighters**

**Protective equipment:**

Wear an approved positive pressure self-contained breathing apparatus (Comply with OHSA).

### 6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures:**

Cut off the leakage source, and collect spillage timely if safe do it.

Ensure adequate ventilation.

Wear protective gloves /eye protection/face protection.

Avoid breathing vapors.

Avoid contact with skin and eyes.

Avoid release to the environment.

• **Environmental precautions:**

Do not allow the product to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewages system.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

### 7 Handling and storage

• **Handling**

• **Precautions for safe handling:**

# Safety Data Sheet

## OSHA 29 CFR 1910.1200

EFHZ22090956-CG-01

**Printing Date:** September 19,  
2022

**Version No.:** 1.0

**Trade name:** Ballpen ink (black)

Read label before use.  
Ensure adequate ventilation.  
Wear protective gloves /eye protection/face protection.  
Avoid contact with skin and eyes.  
Avoid release to the environment.

• **Information about fire and explosion protection:**

Normal measures for preventive fire protection.

• **Conditions for safe storage, including any incompatibilities**

• **Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

• **Information about storage in one common storage facility:**

Keep out of reach of children.

• **Further information about storage conditions:**

Store locked up.

### 8 Exposure controls/personal protection

• **Components with limit values that require monitoring at the workplace:**

| CAS No.    | Composition                              | OSHA PEL | NIOSH REL | ACGIH TLV               | Cal/OSHA PEL            |
|------------|------------------------------------------|----------|-----------|-------------------------|-------------------------|
| 65113-55-5 | Solvent Black 46                         | None     | None      | None                    | None                    |
| 100-51-6   | Benzyl alcohol                           | None     | None      | None                    | None                    |
| 122-99-6   | Phenoxyethanol                           | None     | None      | None                    | None                    |
| 25054-06-2 | Formaldehyde, polymer with cyclohexanone | None     | None      | None                    | None                    |
| 24969-06-0 | Epoxy resin                              | None     | None      | None                    | None                    |
| 102-71-6   | Triethanolamine                          | None     | None      | 5 mg/m <sup>3</sup> TWA | 5 mg/m <sup>3</sup> TWA |
| 90506-69-7 | Phosphoric acid ester                    | None     | None      | None                    | None                    |

• **Additional information:**

The lists that were valid during the creation were used as basis.

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure:**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• **Personal protective equipment:**

• **Breathing equipment:**

Suitable respiratory protective device recommended.

• **Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness>0.11mm; breakthrough times up to 480 minutes).

• **Eye protection:**

# Safety Data Sheet

## OSHA 29 CFR 1910.1200

EFHZ22090956-CG-01

Printing Date: September 19,  
2022

Version No.: 1.0

Trade name: Ballpen ink (black)



### Safety glasses

Protective goggles with side-shields.

### • Body Protection:

Gauntlets, boots, bodysuit are recommended.

## 9 Physical and chemical properties

### • Information on basic physical and chemical properties

#### • Appearance:

|                                           |                                               |
|-------------------------------------------|-----------------------------------------------|
| Form                                      | Liquid in solid                               |
| Color                                     | Black                                         |
| Odor                                      | Slight odor                                   |
| Odor threshold                            | Not determined.                               |
| • pH-value                                | 3-5 (20°C, 20g/l)                             |
| • Change in condition                     |                                               |
| Melting point/melting range               | Not determined.                               |
| Boiling point and boiling range           | 206°C (Benzyl alcohol)                        |
| • Freezing point                          | Not determined.                               |
| • Flash point                             | 94°C (closed cup, benzyl alcohol)             |
| • Flammability                            | Not flammable liquid.                         |
| • Decomposition temperature               | Not determined.                               |
| • Self-ignition                           | Product is not self-ignition.                 |
| • Danger of explosion                     | Product does not present an explosive hazard. |
| • Explosion limits                        |                                               |
| Lower:                                    | Not explosive                                 |
| Upper:                                    | Not explosive                                 |
| • Oxidizing properties                    | Not oxidizing agent                           |
| • Vapor pressure                          | Not determined.                               |
| • Density                                 | Not determined.                               |
| • Relative density                        | Not determined.                               |
| • Vapor density                           | Not determined.                               |
| • Evaporation rate                        | Not determined.                               |
| • Solubility in/Miscibility with          |                                               |
| Water                                     | Insoluble in water                            |
| • Partition coefficient (n-octanol/water) | Not determined.                               |
| • Viscosity                               |                                               |
| Dynamic                                   | Not determined.                               |
| Kinematic                                 | Not determined.                               |
| • Other information                       | Not determined.                               |

## 10 Stability and reactivity

### • Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

### • Chemical stability:

Stable under recommended storage conditions.

# Safety Data Sheet

## OSHA 29 CFR 1910.1200

EFHZ22090956-CG-01

**Printing Date:** September 19,  
2022

**Version No.:** 1.0

**Trade name:** Ballpen ink (black)

- **Possibility of hazardous reactions:**  
No known hazardous reaction.
- **Conditions to avoid:**  
High temperature.
- **Incompatible materials:**  
Strong acid and strong oxidizing agents.
- **Hazardous decomposition products:**  
No known hazardous decomposition products.

### 11 Toxicological information

- **Acute toxicity:**  
Harmful if swallowed.

|                           |   |            |
|---------------------------|---|------------|
| ATE <sub>mix</sub> (oral) | = | 1600 mg/kg |
|---------------------------|---|------------|

#### LD50/LC50 values that is relevant for classification:

122-99-6 Phenoxyethanol

|        |           |            |
|--------|-----------|------------|
| Mouse  | LD50-oral | 933mg/kg   |
| Rabbit | LD50-skin | 5ml/kg     |
| Rat    | LD50-oral | 1260mg/kg  |
|        | LC50-skin | 14422mg/kg |

100-51-6 Benzyl alcohol

|        |           |           |
|--------|-----------|-----------|
| Mouse  | LD50-oral | 1360mg/kg |
| Rabbit | LD50-oral | 1040mg/kg |
|        | LD50-skin | 2000mg/kg |
| Rat    | LD50-oral | 1230mg/kg |

Remark: The above data are from literature.

- **Primary irritant effect**
- **Skin corrosion/irritation:**  
Irritant to skin.
- **Serious eyes damage/ irritation:**  
Corrosive to skin.
- **Sensitization:**  
Sensitive to skin.

#### Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:  
Corrosive; Sensitive.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**

|          |                 |   |
|----------|-----------------|---|
| 102-71-6 | Triethanolamine | 3 |
|----------|-----------------|---|

- **NTP (National Toxicology Program):**  
None of the ingredients is listed.

### 12 Ecological information

- **Toxicity:**

#### LC50/EC50/NOEC values that is relevant for classification:

65113-55-5 Solvent Black 46

|                            |                        |
|----------------------------|------------------------|
| Long-term toxicity to fish | NOEC (35 days) 40 µg/L |
|----------------------------|------------------------|

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EFHZ22090956-CG-01

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|                                                                    |                                                      |
|--------------------------------------------------------------------|------------------------------------------------------|
| Short-term toxicity to aquatic invertebrates                       | EC50 (48 h) 11 µg/L<br>NOEC (48 h) 5.1 µg/L          |
| Long-term toxicity to aquatic invertebrates                        | EC50 (21 days) 15.2 µg/L<br>LC50 (21 days) 12.7 µg/L |
| Toxicity to aquatic algae and cyanobacteria                        | EC50 (72 h) 3.4 - 5.3 µg/L<br>NOEC (72 h) 1.4 µg/L   |
| <b>• Persistence and degradability:</b>                            |                                                      |
| 65113-55-5 Solvent Black 46                                        | Under test conditions no biodegradation observed     |
| <b>• Bio-accumulative potential:</b>                               |                                                      |
| 65113-55-5 Solvent Black 46                                        | Log Pow = 5.7                                        |
| <b>• Mobility in soil:</b>                                         |                                                      |
| 65113-55-5 Solvent Black 46                                        | Log Koc = 4.72                                       |
| <b>• Additional ecological information</b>                         |                                                      |
| <b>• Other adverse effects:</b><br>No known other adverse effects. |                                                      |

### 13 Disposal consideration

**• Waste treatment methods**

**• Recommendation:**

Must not be disposed together with household garbage.

**• Un-cleaned packaging**

**• Recommendation:**

Dispose of contents/container in according to the local regulation.

### 14 Transport information

|                         |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| <b>IATA-DGR (63th)</b>  | This product is not subject to IATA-DGR according to special provision A158.     |
| <b>IMO/IMDG (40-20)</b> | This product is not subject to IMO/IMDG code according to special provision 335. |

### 15 Regulatory information

**• Safety, health and environmental regulations/legislation specific for the substance or mixture**

**• Sara**

**• Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**• Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**• TSCA (Toxic Substances Control Act):**

|            |                                          |        |
|------------|------------------------------------------|--------|
| 65113-55-5 | Solvent Black 46                         | Listed |
| 100-51-6   | Benzyl alcohol                           | Listed |
| 122-99-6   | Phenoxyethanol                           | Listed |
| 25054-06-2 | Formaldehyde, polymer with cyclohexanone | Listed |
| 24969-06-0 | Epoxy resin                              | Listed |
| 102-71-6   | Triethanolamine                          | Listed |
| 90506-69-7 | Phosphoric acid ester                    | Listed |

**• Proposition 65**

**• Chemicals known to cause cancer:**

None of the ingredients is listed.

**• Chemicals known to cause reproductive toxicity for females:**

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## OSHA 29 CFR 1910.1200

EFHZ22090956-CG-01

**Printing Date:** September 19, 2022

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|                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| None of the ingredients is listed.                                                                                                                       |
| • <b>Chemicals known to cause reproductive toxicity for males:</b><br>None of the ingredients is listed.                                                 |
| • <b>Chemicals known to cause developmental toxicity:</b><br>None of the ingredients is listed.                                                          |
| • <b>Washington, WAC 173-334-130 (CHCC):</b><br>None of the ingredients is listed.                                                                       |
| • <b>Chemicals of Concern, published by Maine DEP on July, 2015:</b><br>None of the ingredients is listed.                                               |
| • <b>Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014:</b><br>None of the ingredients is listed. |
| • <b>High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016:</b><br>None of the ingredients is listed.                 |
| • <b>Carcinogenicity categories</b>                                                                                                                      |
| • <b>EPA (Environmental Protection Agency):</b><br>None of the ingredients is listed.                                                                    |
| • <b>TLV (Threshold Limit Value established by ACGIH):</b><br>None of the ingredients is listed.                                                         |
| • <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b><br>None of the ingredients is listed.                                         |
| • <b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b><br>None of the ingredients is listed.                                                |

### 16 Other information

**The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).**

#### **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:**

DOT: Department of Transportation

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

PEL: Permissible Exposure Limit

TLV: Threshold limit value

REL: Recommended Exposure Limit

\*\*\*\*\*

End of safety data sheet

#### **The test item was subcontracted to other lab.**

Eurofins (Hangzhou) contact information

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