

# Safety Data Sheet

OSHA 29 CFR 1910.1200

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## SDS REPORT

Hangzhou Jiefa Stationery & Gifts Co.,Ltd

Room 606, 6th floor, Block G, Building 3, No.8 Xi Yuan 9th Road, Hangzhou, China

**SDS Report No.** : WUX202009243149SDS01  
**Compilation Date** : Jan.11,2023  
**Sample Name** : Paint Marker Ink  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**Service Requested** : Safety Data Sheet (SDS) for the sample with submitted composition.  
**Summary** : As per request, the contents and formats of the SDS are prepared in according with US Regulations Relating to Labor 29 CFR 1910.1200(g), and is provided per attached.



Signed for and on behalf of  
Technical Center:

*Longy Di.*

## 1 Identification

- **Product identifier**
- **Trade name:** Ink
- **Brand:** /
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance/ mixture:** Used for the pen
- 
- 
  
- **Other US contact point:** Information not available
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## 2 Hazard(s) identification

- **Classification of the substance or mixture:** This product is not classified according to OSHA 2012 Hazard Communication Standard (29 CFR 1910.1200).
- **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:** Not applicable.
- **Signal word:** Not applicable.
- **Hazard statements:** Not applicable.
- **Precautionary statement:** Not applicable.
- **Hazards not otherwise classified (HNOC):** No further relevant information available.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixture
- **Description:**  
Mixture of the substances listed below with nonhazardous additions.

• **Components:**

| CAS No.                 | Composition Name        | % , w/w |
|-------------------------|-------------------------|---------|
| 7732-18-5               | Water                   | 20%     |
| 64-17-5                 | Ethanol(Ethyl Alcihol)  | 15%     |
| 7429-90-5<br>12597-70-5 | PigMent aluminum powder | 12%     |

25085-34-1

Acrylic acid-styrene copolymer

53%

#### 4 First aid measures

• **Description of first aid measures**

*After inhalation:* Supply with fresh air. Call for doctor/physician if you feel unwell.

*After skin contact:* Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Immediately call a poison center/doctor.

*After swallowing:* Wash mouth with water; Do NOT induce vomiting. Immediately call a poison center/doctor.

• **Information for doctor**

• **Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

• **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 full jet water.

• **Special hazards arising from the substance or mixture:** May produce Carbon oxides and corrosion/ irritant vapor under fire.

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

**Protective equipment:** Wear fully protective suit and mouth respiratory protective device.

#### 6 Accidental release measures

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

Cut off the leakage source, and collect spillage timely if safe do it; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Ensure adequate ventilation; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Use respiratory protective device against the effects of vapor; Do not breathe breathing vapor. Wear protective gloves /eye protection/face protection; 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); Ensure good ventilation; Dispose contaminated material as waster according to item 13.

#### 7 Handling and storage

• **Handling**

• **Precautions for safe handling:**

Read label before use; Smoking, eating and drinking should be prohibited; Use only in well ventilated areas; Avoid all sources of ignition; Wear protective gloves/protective clothing/eye protection/face protection; Avoid breathing vapors; Use respiratory protective device against the effects of vapor; Avoid contact with eyes and skin.

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

Keep away from heat/sparks/open flames/hot surfaces.– No smoking.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical/ventilating/ lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge

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

• **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.

• **Information about storage in one common storage facility:** Keep out of reach of children; Keep away from flammable substance.

• **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 Name          | OSHA-PEL                                  | NIOSH- REL                                | ACGIH-TLV                                  |
|---------|---------------------------|---|---|--|
| 64-17-5 | Ethanol(Ethyl<br>Alcihol) | 1,000 ppm;<br>1,900 mg/m <sup>3</sup> TWA | 1,000 ppm;<br>1,900 mg/m <sup>3</sup> TWA | 1,000 ppm;<br>1,880 mg/m <sup>3</sup> STEL |

• **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 after handling; See section 7 for information about design of technical facilities.

• **Personal protective equipment:**

• **Breathing equipment:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

• **Protection of hands:**

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

• **Eye protection:**

Protective goggles with side-shields.

## 9 Physical and chemical properties

• **Information on basic physical and chemical properties**

• **Appearance:**

|                |                 |
|----------------|-----------------|
| Form           | Liquid          |
| Color          | Multicolor      |
| Odor           | Low odor        |
| Odor threshold | Not determined. |
| • pH-value     | 6-7             |

• **Change in condition**

|   |   |
|---|---|
| Melting point/melting range               | Not determined.   |
| Boiling point and boiling range           | 50 °C   |
| • Freezing point                          | Not determined.   |
| • Flash point                             | 72 °C   |
| • Flammability (solid, gas)               | 363 °C  |
| • Decomposition temperature               | Not determined.   |
| • Self-ignition                           | Product is not self-ignition.                             |
| • Danger of explosion                     | Product does not present explosive hazard.                |
| • Explosion limits                        |   |
| Lower:                                    | 3.3%  |
| Upper:                                    | 19%   |
| • Oxidizing properties                    | No oxidability.   |
| • Vapor pressure                          | Not determined.   |
| • Density                                 | Not determined.   |
| • Relative density                        | 0.9~2   |
| • Vapor density                           | Relative density of the vapour (Air=1.0)=<br>1.6(ethanol) |
| • Evaporation rate                        | Not determined.   |
| • Solubility in/Miscibility with          |   |
| Water                                     | Not determined.   |
| • Partition coefficient (n-octanol/water) | Not determined.   |
| • Viscosity                               |   |
| Dynamic                                   | 14-30cps  |
| Kinematic                                 | 14-30cps  |
| • Other information                       | Data not available  |

## 10 Stability and reactivity

- **Reactivity:** No decomposition if used according to specification.
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** No known hazardous reaction.
- **Conditions to avoid:** High temperature.
- **Incompatible materials:** Strong acid, strong oxidizing agent and flammable substance.
- **Hazardous decomposition products:** No known hazardous decomposition products.

## 11 Toxicological information

- **Acute toxicity:** Not classified as toxic/harmful mixture.
- **LD/LC50 values that are relevant for classification:** No animal tested has been done for this product.

|                                |                 |                   |
|--------------------------------|-----------------|-------------------|
| 64-17-5 Ethanol(Ethyl Alcohol) |                 |                   |
| Rabbit                         | LD50-oral       | 5000 mg/kg        |
|                                | LC50-skin       | 10000mg/kg        |
| Rat                            | LD50-inhalation | 3760 mg/kg 10hour |

- **Primary irritant effect**
- **Skin corrosion/irritation:** Not irritant to skin.
- **Serious eyes damage/ irritation:** Irritant to eyes.
- **Sensitization:** Not sensitization to skin.

**Additional toxicological information:**

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

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

|         |                        |         |
|---------|------------------------|---------|
| 64-17-5 | Ethanol(Ethyl Alcihol) | Group 1 |
|---------|------------------------|---------|

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

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Not hazardous to aquatic environment.
- **Persistence and degradability:** Readily degradable.
- **Bio-accumulative potential:** Low bio-accumulation.
- **Mobility in soil:** Data not available.
- **Additional ecological information**
- **Other adverse effects:** No further relevant information available.

## 13 Disposal consideration

- **Waste treatment methods**
- **Recommendation:** Small quantities can be disposed together with household garbage.
- **Un-cleaned packaging**
- **Recommendation:** Dispose of contents/container in according to the local regulation.

## 14 Transport information

|   |  |
|---|--|
| • <b>UN-Number</b><br>DOT, IMDG, IATA                                     | Not regulated as dangerous good,not applicable |
| • <b>UN proper shipping name</b><br>DOT, IMDG, IATA                       | Not applicable                                 |
| • <b>Transport hazard class (es)</b><br>DOT, IMDG, IATA<br>Class<br>Label | Not applicable<br>Not applicable               |
| • <b>Packing group</b><br>DOT, IMDG, IATA                                 | Not applicable                                 |
| • <b>Environmental hazardous</b>  |  |

|   |                |
|---|----------------|
| Marine pollution  | No             |
| • Special precautions for user  | Not applicable |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable |
| • UN "Model Regulation"   | Not applicable |

### 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): None of the ingredients is listed.
- Proposition 65
  - Chemicals known to cause cancer: None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
  - Chemicals known to cause developmental toxicity: None of the ingredients is listed.
- Washington, WAC 173-334-130 (CHCC): None of the ingredients is listed.
- Chemicals of Concern, published by Maine DEP on July, 2015: None of the ingredients is listed.
- Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014: None of the ingredients is listed.
- High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016: None of the ingredients is listed.
- Carcinogenicity categories
  - EPA (Environmental Protection Agency): None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

### 16 Other information

Relevant phrases: Not applicable.

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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.

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• 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*

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*End of safety data sheet*