

# the world of ink



Shanghai  University  
Nano- Science & Technology Institute  
Special Ink R& D Department

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## Safety Data Sheet

(In according with European Commission Directives 67/ 548/ EEC, 1999/45/ EC, Regulation (EC) No 1907/2006 , Regulation ( EC) No 1272/2008 and Regulation ( EU) No 453/2010)

### 1 . Identification of the Substance/ Preparation/ Company

#### Product details

**Trade name:** water-based color ink for brush pen / Black 2#

**Substance/ Mixture:** Mixture/ preparation

**Form:** Fluid

Relevant identified uses advised against

**Identified uses:** Laboratory chemicals, Manufacture of the substance/ mixture

**Product type:**

**Manufacturer / Supplier:**

Shanghai University Nano- Science & Technology Institute Special Ink R& D Department

No. 149 Yanchang Road. Shanghai,China

Phone: 86-021-56331532

Web: [www.inksh.com](http://www.inksh.com)

**Further information obtainable from:**

Technical service , Gloria Ge

Tel: 86-021-56331532

Mobile : 86- 13524877095

**Information in case of emergency:**

Tel: 86- 13524877095

Date: 2023/ 11/ 15

### 2 . Hazards identification

**Classification of the mixture:**

**Classification:** The mixture is not classified according European Regulation CLP N° 1272/2008 /EC with its adaptation.

**Label elements:**

No marking according Regulation CLP N°1272/2008/ EC.

**Others Hazard:**

There is not having other hazard classification information about the mixture for present knowledge.

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## 3 . Composition /information on ingredients

### Chemical characterization

**Mixture of the following substances:** containing non-hazardous substances and coloring pigments.

**Description:** The following material classification according to 1999 /45/EC and CLP N° 1272 /2008 /EC

Components:					
CAS	Chemical Name	1999/45/EC	CLP		Cone
7732-18-5	WATER	Not classified	Not classified		59%
56-81-5	GLYCEROL	Not classified	Not classified		25%
12236-11-2	DISPERSE RED 92	Not classified	Not classified		8%
7576-65-0	SOLVENT YELLOW 114	Not classified	Not classified		2%
62570-50-7	DISPERSE BLUE 359	Not classified	Not classified		6%

**Additional information:** For the wording of the listed risk phrases refer to section 16 .

## 4 . First – aid measures

**Inhalation:** Move the affected person away from the contaminated area and into the fresh air

**Skin contact:** Immediately wash and rinse with plenty of water

**Eye contact:** Rinse immediately and thoroughly, pulling the eyelids well away from the eye ( 1 5 min. minimum) Always refer to an eye specialist, even if there are no mediate symptoms.

**Ingestion:** Never attempt to induce vomiting . Call a doctor immediately

## 5 . Fire – fighting measures

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>) .Foam. Powders.

**Not suitable extinguishing media:** None to our knowledge. If there is a fire close by using suitable extinguishing agents

**Specific hazards:** During combustion: Toxic vapors may be released if product is heated to dryness.

**Specific fire fighting methods:** Do not attempt to fight the fire without suitable protective equipment may intervene

**Protection of fire- fighters:** Self- contained breathing apparatus Complete protective clothing

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## 6 . Accidental release measure

**Personal precautions:** Avoid contact with skin and eyes . Do not breathe vapour; Do not smoking. .

**Environmental precautions:** Do not discharge into drains and rivers

**Methods for cleaning up:**

**Neutralization:** Absorb spillage with: inert absorbent material earth or sand

**Cleaning/ decontamination:** Wash non- recoverable remainder with large amounts of water

**Disposal :** Dispose of contaminated materials in accordance with current regulations

## 7 . Handling and storage

**Handling:**

**Technical measures:** Vapour extraction at source. Material and equipment suitable for use with  
Strongly colored water based liquids.

**Precautions:** Avoid any direct contact with the product . Work in a well- ventilated area. Smoking is  
forbidden. Avoid the build- up of electrostatic charge

**Storage:**

**Technical measures:** The floor of the depot must be impermeable, noncombustible and designed to form  
a basin, in order that stored liquids should not, under any circumstances, be released  
outside

**Storage conditions:**

**Recommended:** Store: in a cool, well-ventilated area, the container tightly closed away from any source of ignition

**Incompatible materials:** Strong oxidizing agents

**Packaging materials:**

**Not suitable:** Can cause some metals to rust

## 8 . Exposure controls / personal protection

**Engineering measures:** Ensure good ventilation of the work station . Extraction to remove vapours at their  
source

**Occupational exposure limits:**

**Personal protective equipment :**

**Respiratory protection:** In the event of insufficient ventilation: , Suitable breathing apparatus

**Hand protection:** Impermeable protective gloves

**Eye protection:** Safety spectacles

**Skin and body protection:** Suitable clothing

**Collective emergency equipment:** Eye fountain . Safety shower

**Hygiene measures:** Do not drink, eat or smoke in the workplace

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## 9 . Physical and chemical properties

<b>General Information</b>
<b>Form :</b> Fluid
<b>Colour :</b> Black 2#
<b>Odour :</b> watery slightly
<b>Ignition temperature :</b> 287 ° C
<b>Self- igniting :</b> Not determined
<b>Danger of explosion :</b> product does not present an explosion hazard
<b>PH:</b> 7.0-8 .3
<b>Vapour density ( air = 1 ) :</b> greater than 1
<b>Solubility</b>
<b>in water :</b> Miscible ( in all proportions)
<b>in organic solvents:</b> Miscible ( in all proportions) with: glycerol

## 10 . Stability and reactivity

**Stability:** Stable at ambient temperature and under normal conditions of use

**Hazardous reactions:**

**Conditions to avoid:** May ignite on heating to dryness when all water is evaporated

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition**

**Products:** On combustion or on thermal decomposition

**(pyrolysis) releases:** Carbon oxides ( CO, CO<sub>2</sub>)

## 11 . Toxicological information

**Acute toxicity :** Vapours may cause drowsiness and dizziness

**Acute symptoms :** On ingestion: Nausea , Vomiting , Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

**Local effects :** At high concentrations, the vapours can be irritating to the eyes, nose and throat . Repeated or prolonged contact may cause slight , irritation to the skin,

**Eye contact :** May cause severe ocular lesions

**Further information :** Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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## 1 2 . Ecological information

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems:** Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available.

### Additional ecological information:

#### General notes:

**Water hazard class 1 (Self-assessment):** slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## 1 3 Disposal considerations

### Waste from product :

**Destruction/ Disposal :** Dispose of in accordance with relevant local regulations

### Contaminated packaging :

**Destruction/ disposal :** Destroy at an authorized site

**Note :** The user' s attention is drawn to the possible existence of specific European, national or Local regulations regarding disposal

## 1 4 . Transport information

**International regulations:** Not regulated

## 1 5 . Regulatory information

**The product is no classified in accordance with European Regulation on hazardous substance:**

Directive 67/ 548/ CE 30é me adaptation and on hazardous preparations: Directive 2006/ 8/ CE

### National prescriptions:

**France :** Maladies professionnel les (tableaux (x) n° 84) concern

**Note :** The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS

## 1 6 . Other information

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

This safety data sheet was prepared in accordance with Regulation ( EC ) 1272/ 2008 ( Regulation on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 6 7 / 548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006) .