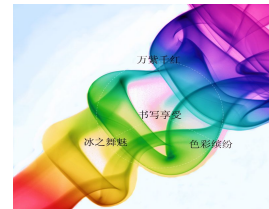


# the world of ink



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: Washable Ink / WI-BRN

**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: 86-21-56331532

Fax: 86-21-56331117

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

Further information obtainable from:

Technical service , Howard Young

Tel: 86-021-56331532

Mobile : 86-13761677741

Information in case of emergency:

Tel: 86-13761677741

### 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.

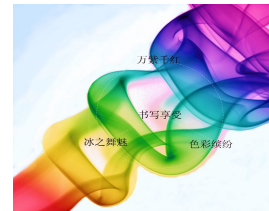
**Others Hazard:**

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	68.8%
56-81-5	GLYCEROL	Not classified	Not classified	25%
4321-69-1	ACID RED 3B	Not classified	Not classified	1.8%
5601-29-6	ACID YELLOW 59	Not classified	Not classified	3%
129-17-9	ACID BLUE 1	Not classified	Not classified	1.4%

**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 (15 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

## 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

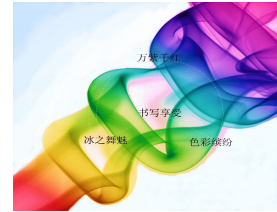
Cleaning/decontamination: Wash non-recoverable remainder with large amounts of water

Disposal: Dispose of contaminated materials in accordance with current regulations

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## 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:

France: Ethylene Glycol

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

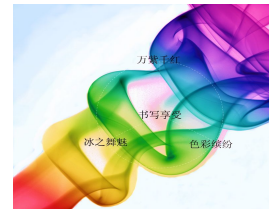
Collective emergency equipment: Eye fountain .Safety shower

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

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## 9. Physical and chemical properties

General Information
Form : Fluid
Colour : brown
Odour : watery slightly
Ignition temperature : 287 °C
Self-igniting : Not determined
Danger of explosion : product does not present an explosion hazard
PH: 7.0-8.3
Vapour density (air=1): greater than 1
Solubility
in water : Miscible (in all proportions)
in organic solvents: 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,

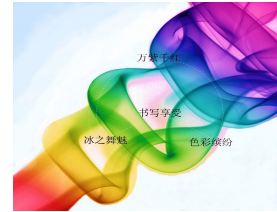
Eye contact: May cause severe ocular lesions

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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## 12. Ecological information

ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol  
May cause adverse effects to the aquatic environment.

## 13. 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

## 14. Transport information

International regulations: Not regulated

## 15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive  
67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

National prescriptions:

France: Maladies professionnelles (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

## 16. 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  
67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006).