

the world of ink



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

Tel : 021 -56331532 Fax: 021 -56331 1 17

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

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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 / 2915C

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

Further information obtainable from:

Technical service , Gloria Ge

Tel: 86-021-56331532

Mobile : 86- 13524877095

Information in case of emergency:

Tel: 86-13524877095

Date: 2024/ 6/ 11

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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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	74%	
56-81-5	GLYCEROL	Not classified	Not classified	25%	
3844-45-9	ACID BLUE 9	Not classified	Not classified	1%	

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 (CO2) .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

General Information
Form : Fluid
Colour : Light Blue
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, CO2)

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 l es (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) .