

S a f e t y D a t a S h e e t

According to Directive 2001/58/CE

172417 o-Tolidine solution 0.095% RE



1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

o-Tolidine solution 0,095%

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

Shanghai Suocheng Reagent CO., LTD

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2. Component Composition/Information

Hydrochloric solution

o-Tolidine 0.095%

CAS [119-93-7] Formula:

$C_{14}H_{16}N_2$ M. =212, 29

EC number (EINECS): 204-358-0

EC index number: 612-041-00-7

R: 22

Hydrochloric Acid 35% dil. 1-5%

CAS [7647-01-0] Formula: HCl M. =36, 46

EC number (EINECS): 231-595-7

EC index number: 017-002-01-X

R: 34-37

water CAS 7732-18-5 98.9-94.9%

3. Identification of dangers

Harmful if swallowed.

4. First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Take the person out into the fresh air.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek immediate medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Incombustible.

5.4 Protective equipment:

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the fumes.

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid

pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Neutralize with diluted sodium hydroxide.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. Atmospheric temperature. Restricted access, only authorized to technicians. Do not store in metal containers.

8. Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-ED: 5 ppm or 7,6 mg/m³ (HCl)

VLA-EC: 10 ppm or 15 mg/m³ (HCl)

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter E. Filter P.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Odourless.

pH ~1

Density (20/4): 1,02

Solubility: Miscible with water

10. Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Metals. (Hydrogen is formed).

10.3 Hazardous decomposition products:

10.4 Complementary information:

11. Toxicological information

11.1 Acute toxicity:

No reported

11.2 Dangerous effects for health:

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are:

If fumes inhaled: Irritations to the mucosae, breathing difficulties. Can cause: coughing.

Upon contact with the skin: Irritations.

Through contact with the eyes: Irritations.

If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Due to

absorption: Can cause: metahemoglobinemia with headaches.
Other dangerous characteristics are not discarded.
Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

12.2.2 - Receptor medium:

Risk for the water environment = ----

Risk for the land environment = ----

12.2.3 - Observations:

Ecotoxic data not available.

12.3 Degradability:

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = ----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Data not available.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = ----

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels.

Water-pollutant product.

13. Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the

domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

14. Information concerning transport

15. Mandatory information

15.1 Labelling as per EC Directive

Symbols:

Danger indications: corrosive

Phrases R: 22 Harmful if swallowed.

Phrases S: 53-26-45 Avoid exposure-obtain special instructions before use. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

15.2 Specific provisions at Community level:

Directive 97/56/EC of the European Parliament and of the Council of 20 October 1997 amending for the 16th time Directive 76/769/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations.

16. Other information

In respect of the previous review, changes have been made to the following sections: 3, 15.

Component Information:

o-Tolidine 0.095%

CAS [119-93-7] $C_{14}H_{16}N_2$ M. =212, 29
204-358-0 612-041-00-7

R22: Harmful if swallowed

Hydrochloric Acid 35% dil. 1-5%

CAS [7647-01-0] HCl M. =36, 46
231-595-7 017-002-01-X



R: 34-37

Causes burns. Irritating to respiratory system.

H₂O 98.9-94.9%

CAS [7732-18-5]

Review number and date:2 21.12.02

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.