

WTW Safety Data Sheet
According to EC Directives 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Product name:

Conductivity Standard 5 $\mu\text{S}/\text{cm} \pm 2 \%$

Ord. No.: 300 580

Model: KS 5 μS

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: +49(0)881 183-0, Fax.: +49(0)881 183-420

Emergency telephone:
(001)-703-527-3887

2. Composition/information on ingredients

Chemical characterization: Dilute aqueous solution containing glycerol

Ingredients: Glycerol

Hazard symbols: No hazardous product

R-phrases: /

Content: /

CAS-No.: 56-81-5

EINECS-No.: 200-289-5

3. Hazards identification

No hazardous product as specified in directive 67/548/EEC.

4. First aid measures

After inhalation: Fresh air

After skin contact: Wash off with plenty of water.

Remove contaminated clothing.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

After ingestion: Make injured person drink plenty of water.
Consult doctor if victim is feeling unwell.

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5. Fire-fighting measures

<i>Suitable extinguishing media:</i>	To suit environment
<i>Unsuitable extinguishing media:</i>	unknown
<i>Special risks:</i>	At high temperatures water will evaporate. The remaining glycerol is combustible. Vapours occur which form explosive mixtures with air on intense heating. The following may develop in the event of fire: Acrolein
<i>Other information:</i>	Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

6. Accidental release measures

<i>Personal-related precautionary measures:</i>	No further requirements
<i>Environmental-protection measures:</i>	No further requirements
<i>Procedures for cleaning/absorption:</i>	Take up with liquid-absorbent material. Forward for disposal. Rinse away remainder with water.

7. Handling and storage

<i>Handling:</i>	No further requirements
<i>Storage:</i>	Store closed at room temperature (recommendation: +15 to +25°C)

8. Exposure control/personal protection

<i>Specific control parameters:</i>	No specific control parameters
Personal protective equipment	
<i>Respiratory protection:</i>	not required
<i>Eye protection:</i>	Protective glasses
<i>Hand protection:</i>	not required
<i>Industrial hygiene:</i>	Wash hands and face after working with solution. Change contaminated clothing.

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9. Physical and chemical properties

Form: liquid *Colour:* colourless *Odour:* odourless

pH-value near 6 at 20°C
Melting temperature: not available
Boiling temperature: near 120°C
Ignition temperature: near 430°C
Flash point: near 180°C
Explosion limite lower: not available
upper: not available
Density: near 1.2 g/cm³
Solubility in water: miscible
Thermal decomposition: not available

10. Stability and reactivity

Conditions to be avoided: strong heating

Substances to be avoided: strong oxidizing agents, nitric acid/concentrated sulfuric acid, Phosphorus oxides, peroxi compounds, hydrogen peroxide, Halogens.

Hazardous decomposition products: none

Further information: none

11. Toxicological information

Acute toxicity: No information available.

Further toxicological information: No toxic effects are to be expected when the product is handled appropriately.

12. Ecological information

Ecotoxic effects: No ecological problems are to be expected when the product is handled and used with due care and attention.

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13. Disposal considerations

Products: There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

Packaging: Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

14. Transport information

Not subject to transport regulations

15. Regulatory information

Labelling according to EC directives

Symbol: No hazardous product

R-phrases: /

S-phrases: /

German regulations

Water pollution class; WGK: generally nonpolluting substance

Storage class VCI: 10

Regulation on combustible liquids; VbF: /

Other regulations: none

16. Other information

Date of issue: 15.07.2006

Supersedes edition of 18.02.2004

Reason for alteration: General update

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.