

## WTW Safety Data Sheet

According to EC Directives 91/155/EEC

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

*Product name:*

**pH 10.00 Technical Buffer**

**Ord. No.: 108 804**

**Model: TPL 10**

*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:* Aqueous saline solution.

*Ingredients:* Glycine

*Hazard symbols:* No hazardous product.

*R-phrases:* /

*Content:* < 0,5 %

*CAS-No.:* 56-40-6

*EINECS-No.:* 200-272-2

*EG-No.:* 200-272-2

### 3. Hazards identification

No hazardous product.

### 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.

*After ingestion:* Immediately consult doctor if feeling unwell.

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#### 5. Fire-fighting measures

|                                        |                           |
|----------------------------------------|---------------------------|
| <i>Suitable extinguishing media:</i>   | To suit environment.      |
| <i>Unsuitable extinguishing media:</i> | No information available. |
| <i>Special risks:</i>                  | None                      |
| <i>Other information:</i>              | Non combustible           |

#### 6. Accidental release measures

|                                                 |                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <i>Personal-related precautionary measures:</i> | None                                                                                                   |
| <i>Environmental-protection measures:</i>       | None                                                                                                   |
| <i>Procedures for cleaning/absorption:</i>      | Take up with liquid-absorbent material.<br>Forward for disposal.<br>Clean up affected area with water. |

#### 7. Handling and storage

|                  |                         |
|------------------|-------------------------|
| <i>Handling:</i> | No further requirement. |
| <i>Storage:</i>  | Store tightly closed.   |

#### 8. Exposure control/personal protection

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| <i>Specific control parameters:</i> | None                                     |
| Personal protective equipment       |                                          |
| <i>Respiratory protection:</i>      | Not required.                            |
| <i>Eye protection:</i>              | Protective glasses                       |
| <i>Hand protection:</i>             | Gloves (nitrile rubber)                  |
| <i>Industrial hygiene:</i>          | Wash hands after working with substance. |

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## 9. Physical and chemical properties

|                                                 |                     |                         |
|-------------------------------------------------|---------------------|-------------------------|
| <i>Form:</i> Liquid                             | <i>Colour:</i> Blue | <i>Odour:</i> Odourless |
| <i>pH-value</i>                                 | 10,00 at 25°C       |                         |
| <i>Melting temperature:</i>                     | °C                  |                         |
| <i>Boiling temperature:</i>                     | about 100°C         |                         |
| <i>Ignition temperature:</i>                    | °C                  |                         |
| <i>Flash point:</i>                             | °C                  |                         |
| <i>Explosion limite lower:</i>                  | /                   |                         |
| <i>                                  upper:</i> | /                   |                         |
| <i>Density:</i>                                 | 1 g/cm <sup>3</sup> |                         |
| <i>Solubility in water:</i>                     | miscible            |                         |
| <i>Thermal decomposition:</i>                   | /                   |                         |

## 10. Stability and reactivity

|                                          |                           |
|------------------------------------------|---------------------------|
| <i>Conditions to be avoided:</i>         | No information available. |
| <i>Substances to be avoided:</i>         | No information available. |
| <i>Hazardous decomposition products:</i> | No information available. |
| <i>Further information:</i>              | None                      |

## 11. Toxicological information

|                                           |                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------|
| <i>Acute toxicity:</i>                    | No information available.                                                      |
| <i>Further toxicological information:</i> | No toxic effects are to be expected when the product is handled appropriately. |

## 12. Ecological information

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| <i>Ecotoxic effects:</i> | 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: 1 Slightly polluting substance.  
*Storage class VCI:* 12  
*Regulation on combustible liquids;* VbF: Non combustible  
*Other regulations:* None

## 16. Other information

Date of issue: 15.07.2006  
Supersedes edition of 22.01.2004  
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.