

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

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

Product name:

Electrolyte Solution for Oxygen Probes

Ord. No.: 205 210

Model: ELY/N

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

Hazardous ingredients: Potassium carbonate

Hazard symbols: Harmful (Xn)

R-phrases: 22-36/37/38

Content: 3,7 %

CAS-No.: 584-08-7

EINECS-No.: 209-529-3

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: Make injured person drink plenty of water,
induce vomiting. Keep breathing paths free.
Summon doctor.

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5. Fire-fighting measures

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| <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> | Aqueous solution. Non combustible. |

6. Accidental release measures

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| <i>Personal-related precautionary measures:</i> | None |
| <i>Environmental-protection measures:</i> | Small quantities give no cause for concern. |
| <i>Procedures for cleaning/absorption:</i> | Clean up with water. |

7. Handling and storage

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| <i>Handling:</i> | No further requirements. |
| <i>Storage:</i> | Tightly closed. |

8. Exposure control/personal protection

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| <i>Specific control parameters:</i> | None |
| Personal protective equipment | |
| <i>Respiratory protection:</i> | Required when vapors/aerosols are generated. |
| <i>Eye protection:</i> | Protective glasses |
| <i>Hand protection:</i> | Gloves (nitrile rubber) |
| <i>Industrial hygiene:</i> | Wash hands after working with solution. |

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9. Physical and chemical properties

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|---|---------------------------|-------------------------|
| <i>Form:</i> Liquid | <i>Colour:</i> Colourless | <i>Odour:</i> Odourless |
| <i>pH-value</i> | 10 at 20°C | |
| <i>Melting temperature:</i> | °C | |
| <i>Boiling temperature:</i> | about 100°C | |
| <i>Ignition temperature:</i> | °C | |
| <i>Flash point: /</i> | °C Non combustible | |
| <i>Explosion limite lower:</i> | / | |
| <i> upper:</i> | / | |
| <i>Density:</i> | / | |
| <i>Solubility in water:</i> | miscible | |
| <i>Thermal decomposition:</i> | / | |

10. Stability and reactivity

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| <i>Conditions to be avoided:</i> | High temperature |
| <i>Substances to be avoided:</i> | Acids |
| <i>Hazardous decomposition products:</i> | None |
| <i>Further information:</i> | None |

11. Toxicological information

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|---|---|
| <i>Acute toxicity:</i> | LD 50 (oral): 1870 mg/kg for potassium carbonate. |
| <i>Further toxicological information:</i> | No information available. No toxic effects are to be expected when the product is handled appropriately. |

12. Ecological information

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| <i>Ecotoxic effects:</i> | The product causes no oxygen consumption. Harmful effect due to pH shift. When used properly, no impairments in the function of waste-water-treatment plants are to be expected. |
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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: /
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.