

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

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

Product name:

Alkaline Elektrolyte Solution for Galvanic Oxygen Probes

Ord. No. 205 217
Model: ELY/G

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 hydroxide

Hazard symbols: Corrosive (C)
R-phrases: 35
Content: < 1%
CAS-No.: 1310-58-3
EINECS-No.: 215-181-3
EG-No.: 215-181-3

3. Hazards identification

Irritating to eyes and skin.

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.
Immediately summon eye specialist.

After ingestion: Make injured person drink plenty of water
Induce vomiting, immediately 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> | Do not inhale vapours/aerosols. |
| <i>Environmental-protection measures:</i> | Do not allow to enter sewerage system. |
| <i>Procedures for cleaning/absorption:</i> | Take up with liquid-absorbent material. Forward for disposal. Clean up with water. |

7. Handling and storage

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| <i>Handling:</i> | No further requirements. |
| <i>Storage:</i> | Tightly closed. At +15°C to +25°C. No aluminium, tin or zinc containers. |

8. Exposure control/personal protection

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| <i>Specific control parameters:</i> | None |
| Personal protective equipment | |
| <i>Respiratory protection:</i> | Required when vapours/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. Change contaminated clothing and immerse in water. |

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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> | 12,4 at 20°C | | | | |
| <i>Melting temperature:</i> | °C | | | | |
| <i>Boiling temperature:</i> | near 100°C | | | | |
| <i>Ignition temperature:</i> | °C | | | | |
| <i>Flash point:</i> | °C | | | | |
| <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> | None |
| <i>Substances to be avoided:</i> | Strong acids Ammonium compounds: Formation of ammonia. |
| <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, rat): 273 mg/kg for potassium hydroxide. |
| <i>Further toxicological information:</i> | Irritating to eyes, skin and respiratory system. |

12. Ecological information

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| <i>Ecotoxic effects:</i> | The product causes no oxygen consumption. Harmful effect due to pH shift. |
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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: 8 B

Regulation on combustible liquids; VbF: /

Other regulations: None

16. Other information

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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.