

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.: 205 218
Model.: ELY-C-700

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 and Triton X-100

Potassium carbonate		Triton X-100	
<i>Hazard symbols:</i>	Harmful (Xn)	<i>Harzard symbols:</i>	Harmful (Xn)
<i>R-phrases:</i>	22-36/37/38	<i>R-phrases:</i>	22-41
<i>Content:</i>	3,7 %	<i>Content:</i>	0,1 %
<i>CAS-No.:</i>	584-08-7	<i>CAS-No.:</i>	9002-93-1
<i>EINECS-No.:</i>	209-529-3	<i>UN-No.:</i>	3082

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 eyes 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

<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

<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 affected area with water.

7. Handling and storage

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

8. Exposure control/personal protection

<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. Change contaminated clothing.

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9. Physical and chemical properties

<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

<i>Conditions to be avoided:</i>	High temperature
<i>Substances to be avoided:</i>	Reducing agents, strong oxidizing agents. acids
<i>Hazardous decomposition products:</i>	None
<i>Further information:</i>	None

11. Toxicological information

<i>Acute toxicity:</i>	LD 50 (oral): 1870 mg/kg for potassium carbonate LD 50 (oral): 707 mg/kg for Triton X-100
<i>Further toxicological information:</i>	No information available. Hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

<i>Ecotoxic effects:</i>	Specific data on the ecological effect of this product are not available.
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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

Regulation on combustible liquids; VbF: Non combustible.
Storage class VCI: 12
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.