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

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

Product name: **Electrolyte TCML**

Ord. No.: **205 249**
Model: **ZBK-TCML**

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: Solution of Potassiumiodide and organic gel-substances in water.

Hazardous ingredients: Sodium hydroxide and Citric acid

Sodium hydroxide		Citric acid	
Hazard symbols:	corrosive (C)	*Hazard symbols:*	irritant (Xi)
R-phrases:	35	*R-phrases:*	36
Content:	< 0,5 %	*Content:*	< 2 %
CAS-No.:	1310-73-2	*CAS-No.:*	77-92-9
EG-No.:	215-185-5	*EG-No.:*	201-069-1

3. Hazards identification

No dangerous 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, summon doctor.

5. Fire-fighting measures

Suitable extinguishing media:	Water and foam
Unsuitable extinguishing media:	Unknown
Special risks:	None
Other information:	Non combustible

6. Accidental release measures

Personal-related precautionary measures:	Do not inhale vapours and aerosols
Environmental-protection measures:	Do not allow to enter sewerage system.
Procedures for cleaning/absorption:	Take up and forward for disposal. Clean up affected area with water.

7. Handling and storage

Handling:	No further requirement
Storage:	Closed well and at room temperature (+15 to +25°C). Don`t store at son- or UV-light.

8. Exposure control/personal protection

Specific control parameters:	None
Personal protective equipment	
Respiratory protection:	Required when dusts are generated
Eye protection:	Recommended
Hand protection:	Recommended
Industrial hygiene:	Wash hands and face after working with solution. Change contaminated clothing.

9. Physical and chemical properties

Form: liquid (Gel) *Colour*: colourless *Odour*: odourless

pH-value	approx- 4 at 25°C
Melting temperature:	approx. 0°C
Boiling temperature:	approx. 100°C
Ignition temperature:	not flammable
Flash point:	not flammable
Explosion limite lower:	not applicable
upper:	not applicable
Density:	approx. 1.028 g/cm^3
Solubility in water:	in water soluble

10. Stability and reactivity

Conditions to be avoided:	No information available
Substances to be avoided:	Alkalimetals, ammonia, halogen-halogencompounds, Fluorine, hydrogenniumperoxide.
Hazardous decomposition products:	No information available.
Further information:	None

11. Toxicological information

Acute toxicity:	Non information available
Further toxicological information:	Potassiumiodide is a therapeutical used substance. After eye contact: Irritation possible. After ingestion: After resorption toxicological quantity of KJ: blood-pressure, hypotensive, paralysis, agitation, vomit.

12. Ecological information

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

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, nonconta-minated packaging may be treated like household waste or recycled.

14. Transport information

ADR/GGVSE:

IMDG/GGVSee:

ICAO/IATA:

Further information: Not subject to the transport regulation.

15. Regulatory information

Labelling according to EC directives

Symbol: No hazardous product
R-phrases: /
S-phrases: 46 In case of ingestion drink plenty of water, induce vomiting, summon doctor and show label.

German regulations

Water pollution class; WGK: 1 slightly polluting substance

Regulation on combustible liquids; VbF: Non combustible

Other regulations: None

16. Other information

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Supersedes edition of First edition
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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.