



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

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

*Product name:*

**Solution for Sample Preparation 4 mol/l KCl**

**Ord. No.:** 140 120

**Model:** ISA/Ca

*Manufacturer:*

WTW Wissenschaftlich-Technische Werkstätten GmbH, KG, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: (0881) 183-0, Fax.: (0881) 62539

Emergency telephone:  
(001)-703-527-3887

**2. Composition/information on ingredients**

*Chemical characterization:* Aqueous saline solution

*Ingredients:* Potassium chloride

*Hazard symbols:* No hazardous product

*R-phrases:* /

*Content:* about 20 %

*CAS-No.:* 7447-40-7

*EINECS-No.:* 231-211-8

**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 victim drink plenty of water. Induce vomiting.  
Immediately contact 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>	Development of hazardous vapours possible in the event of fire. The following may develop: Hydrogen chloride. Do not stay in the dangerous zone without chemical protection clothing and self-contained breathing apparatus.
<i>Other information:</i>	Non combustible

### 6. Accidental release measures

<i>Personal-related precautionary measures:</i>	Avoid generation of dusts. Do not inhale dusts.
<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 dusts are generated.
<i>Eye protection:</i>	Protective glasses
<i>Hand protection:</i>	Gloves
<i>Industrial hygiene:</i>	Wash hands and face after working with substance.

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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>	°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>	1,18 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>	None
<i>Substances to be avoided:</i>	None
<i>Hazardous decomposition products:</i>	None
<i>Further information:</i>	None

### 11. Toxicological information

<i>Acute toxicity:</i>	LD 50 (rat, oral): 2600 mg/kg for potassium chloride.
<i>Further toxicological information:</i>	After ingestion of large amounts: Cardiac dysrhythmia, cardiovascular failure.

### 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

*Regulation on combustible liquids;* VbF: Non combustible

*Other regulations:* None

#### 16. Other information

Date of issue: 12.2.2004  
Supersedes edition of 22.3.2001  
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.