

WTW Safety Data Sheet

According to EC Directives 91/155/EEC

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

Product name:

Working Reference Buffer Solution

Ord. No.: 109 010

Model: APL- 7

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

Ingredients: Mixture of potassium dihydrogen phosphate and di-sodium hydrogen phosphate dihydrate

Potassium dihydrogen phosphate

Hazard symbols: No hazardous product.

R-phrases: /

Content: 0,34 %

CAS-No.: 7778-77-0

EINECS-No. 231-913-4

di-Sodium hydrogen phosphate dihydrate

Hazard symbols: No hazardous product

R-phrases: /

Content: 0,45 %

CAS-No.: 10028-24-7

EINECS-No.: 231-448-7

3. Hazards identification

No hazardous product.

4. First aid measures

After inhalation: Fresh air

After skin contact: Wash off with 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, 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>	Non combustible

6. Accidental release measures

<i>Personal-related precautionary measures:</i>	None
<i>Environmental-protection measures:</i>	None
<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>	Store 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 (nitrile rubber)
<i>Industrial hygiene:</i>	Wash hands and face after working with substance. 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>	6,87 ± 0,01 at 25°C	
<i>Melting temperature:</i>	-0,3°C	
<i>Boiling temperature:</i>	+100°C	
<i>Ignition temperature:</i>	°C	
<i>Flash point:</i>	°C	
<i>Explosion limite lower:</i>	/	
<i> upper:</i>	/	
<i>Density:</i>	1,0028 g/cm ³	
<i>Solubility in water:</i>	miscible	
<i>Thermal decomposition:</i>	/	

10. Stability and reactivity

<i>Conditions to be avoided:</i>	No information available
<i>Substances to be avoided:</i>	No information available
<i>Hazardous decomposition products:</i>	No information available
<i>Further information:</i>	No information available

11. Toxicological information

<i>Acute toxicity:</i>	No information available.
<i>Further toxicological information:</i>	No toxic effect are to be expected when the product is handled appropriately. After ingestion of large amounts: possible symptoms: nausea, vomiting, gastric pain, diarrhoe and general feeling of sickness. After eye contact: irritations.

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. Depending on the concentration phosphorous compounds may contribute to the eutrophication of drinking- water-supplies.
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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; nonpolluting solution.
Storage class VCI: 12
Regulation on combustible liquids; VbF: Non combustible
Other regulations: None

16. Other information

Date of issue: 15.07.2006
Supersedes edition of 22.01.2004
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.