

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

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

Identification of the product

Catalogue No.:

Product name: Buffer solution (di-sodium hydrogen phosphate/potassium Dihydrogen phosphate, sodiumhydroxid), traceable to SRM from NIST and PTB pH 9,00 (20°C) CertiPUR®

Use of the substance/preparation

Reagent for analysis

Company/undertaking identification

Company: LiBuTec GmbH & Co.KG * 40764 Langenfeld *
Germany * Phone +492173/907992

Emergency telephone No.: Please contact the regional LiBuTec representation in your country.

2. Composition/information on ingredients

Aqueous solution of inorganic compounds

3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

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 water.

After swallowing: make victim drink plenty of water. Consult a doctor iff feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood.

Special risks:

Non-combustible

6. Accidental release measures

Person-related precautionary measures:

Do not inhale vapours/aerosols.

Procedures for cleaning / absorption:

Take up with liquid-absorbent material (e.g. Chemizorb®). Forward for disposal.

Clean up affected area.

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

7. Handling and storage

Handling:

No further requirements.

Storage:

Tightly closed. Storage temperature: no restrictions.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when vapours/aerosols are generated.

Eye protection: required

Hand protection: In full contact:
Glove material nitrile rubber
Layer thickness 0.11 mm
Breakthrough time > 480 Min.

The protective gloves to be used must comply with the Specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril® (full contact), 740 Dermatril® (splash contact). The breakthrough times states above were determined by KCL in laboratory tests acc. to EN374

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

with samples of the recommended glove types.
This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to purpose specified by us. When dissolving from those in or mixing with other substances and under conditions deviating from those stated in EN374 please contact supplier of LiBuTec GmbH&Co.KG

industrial hygiene:

Change contaminated clothing. Wash hand after working with substance.

9. Physical and chemical properties

From:	liquid	
Colour:	colourless	
Odour:	odourless	
PH value	(20°C)	9,00
Melting point		-5 °C
Boiling point		109 °C
Ignition temperature		not available
Flash point		not available
Explosion limits	lower	not available
	upper	not available
Density	(20°C)	1.01 g/cm ³
Solubility in water	(20°C)	soluble

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

10. Stability and reactivity

Conditions to be avoided

no information available

Substances to be avoided

The generally known reaction partners of water

Hazardous decomposition products

No information available

11. Toxicological information

Acute toxicity

Quantitative data on the toxicity of this product are not available.

Further toxicological information

No toxic effects are to be expected when the product is handled appropriately.

Further data

The product should be handled with the care usual when dealing with chemicals.

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

12. Ecological information

Eco toxic effects:

Quantitative data on the ecological effect of this product are not available.

Further ecologic data:

Depending on the concentration, phosphates may contribute to the eutrophication of water supplies.

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal consideration

Waste treatment methods

Waste material must be disposed of in accordance with the national and local regulations.

Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself

Safety Data Sheet

ACCORDING TO ec Directive 91/155/EEC

Date of issue: 15.08.2015

14. Transport information

No subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol:	--
R-phrases:	--
S-phrases	--

16. Other information

Reason for alteration

Chapter 8 : personal protective equipment.

General update.

Regional representation:

This information is given on the authorised Safety Data Sheet for your country.

This 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 product.