

**Material Safety Data Sheet**  
According to 91/155 EEC

Printing date 02.04.2007

version number 6

Reviewed on 02.04.2007

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

\***Trade name:** BUFFER SOLUTION pH 10.00 ± 0.01 @ 20°C

\***Article number:** BPH06

\***Application of the substance / the preparation** Laboratory chemicals

\***Manufacturer/Supplier:**

Reagecon Diagnostics Ltd.  
Shannon Free Zone,  
Shannon,  
Co. Clare,  
IRL.

Tel +353 61 472622

Fax +353 61 472642

\***Further information obtainable from:** EMERGENCY CONTACT NUMBER :- 353-87-7828692

**2 Composition/information on ingredients**

\***Chemical characterization**

\***Description:** Mixture of substances listed below with nonhazardous additions.

\***Dangerous components:**

CAS: 1330-43-4	disodium tetraborate, anhydrous	≤ 2.5%
EINECS: 215-540-4		

\***Additional information:** For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

\***Hazard description:** Not applicable.

\***Information concerning to particular hazards to man and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

\***Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4 First-aid measures**

\***General information:** No special measures required.

\***After inhalation:** Supply fresh air; consult doctor in case of complaints.

\***After skin contact:** Generally the product does not irritate the skin.

\***After eye contact:** Rinse opened eye for several minutes under running water.

\***After swallowing:** If symptoms persist consult doctor.

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### 5 Fire-fighting measures

**\*Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**\*Protective equipment:** No special measures required.

### 6 Accidental release measures

**\*Person-related safety precautions:** Not required.

**\*Measures for environmental protection:** Dilute with plenty of water.

**\*Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**\*Additional information:** No dangerous substances are released.

### 7 Handling and storage

**\*Handling:PPE to be worn. See section 8**

**\*Information for safe handling:** No special measures required.

**\*Information about fire - and explosion protection:** No special measures required.

**\*Storage:**

**\*Requirements to be met by storerooms and receptacles:** No special requirements.

**\*Information about storage in one common storage facility:** Not required.

**\*Further information about storage conditions:** None.

### 8 Exposure controls/personal protection

**\*Additional information about design of technical facilities:** No further data; see item 7.

**\*Ingredients with limit values that require monitoring at the workplace:**

**1330-43-4 disodium tetraborate, anhydrous**

OELV (Ireland)	1 mg/m <sup>3</sup>
TLV (USA)	Short-term value: 6 I mg/m <sup>3</sup> Long-term value: 2 I mg/m <sup>3</sup>

**\*Additional information:** The lists valid during the making were used as basis.

**\*Personal protective equipment:**

**\*General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**\*Respiratory protection:** Not required.

**\*Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**\*Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**\*Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**\*Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

**\*General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

**\*Change in condition**

<b>Melting point/Melting range:</b>	0°C
<b>Boiling point/Boiling range:</b>	100°C

**\*Flash point:** Not applicable.

**\*Self-igniting:** Product is not selfigniting.

**\*Danger of explosion:** Product does not present an explosion hazard.

**\*Density:** Not determined.

**\*Solubility/ miscibility with at 20°C** 100 %

**\*water:** Fully miscible.

**\*Solvent content:**

**Organic solvents:** 0.0 %

### 10 Stability and reactivity

**\*Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**\*Dangerous reactions** No dangerous reactions known.

**\*Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**\*Acute toxicity:**

**\*Primary irritant effect:**

**\*on the skin:** No irritant effect.

**\*on the eye:** No irritating effect.

**\*Sensitization:** No sensitizing effects known.

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**\*Additional toxicological information:**

*The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.*

*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

**12 Ecological information**

**\*General notes:** Generally not hazardous for water

**13 Disposal considerations**

**\*Product:**

**\*Recommendation** Smaller quantities can be disposed of with household waste.

**\*Uncleaned packaging:**

**\*Recommendation:** Disposal must be made according to official regulations.

**\*Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

**\*Land transport ADR/RID (cross-border)**

**\*ADR/RID class:** -

**\*Maritime transport IMDG:**

**\*IMDG Class:** -

**\*Marine pollutant:** No

**\*Air transport ICAO-TI and IATA-DGR:**

**\*ICAO/IATA Class:** -

**\*Transport/Additional information:** Not dangerous according to the above specifications.

**15 Regulatory information**

**\*Labelling according to EU guidelines:**

*Observe the general safety regulations when handling chemicals.*

*The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).*

**\*National regulations:**

**\*Waterhazard class:** Generally not hazardous for water.

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**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**\*Department issuing MSDS:** Safety Officer

**\*Contact:** Mr. Sean Murphy

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