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# ReAgent

## BUFFER SOLUTION pH 4 MSDS

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	BUFFER SOLUTION pH 4
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a>
PRODUCT NO.	1136
APPLICATION	General chemical reagent
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 4 FIRST-AID MEASURES

#### INHALATION

In case of severe exposure to vapours or mists remove victim from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

Do not induce vomiting. Rinse mouth thoroughly. Get medical attention.

#### SKIN CONTACT

As a general precaution remove contaminated clothing and wash the skin with plenty of water. In serious cases or if discomfort continues obtain medical attention.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### SPILL CLEAN UP METHODS

Small Spillages: Absorb with sand or other inert absorbent. Large Spillages: Dam and absorb spillages with sand, earth or other inert material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

**BUFFER SOLUTION pH 4**

## STORAGE CLASS

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

## ENGINEERING MEASURES

Provide adequate ventilation and appropriate extraction when vapours or mists are generated

## RESPIRATORY EQUIPMENT

Wear suitable respiratory protection when vapours or mists are generated and there is inadequate ventilation or extraction.

## HAND PROTECTION

Wear protective gloves. Rubber or plastic

## EYE PROTECTION

Wear safety glasses. If risk of splashing, wear safety goggles or face shield.

## HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Odourless		
SOLUBILITY	Miscible with water		
BOILING POINT (°C)	About 100	RELATIVE DENSITY	About 1.0 20
pH-VALUE, CONC. SOLUTION	4		

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions.

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50 3200 (Potassium hydrogen phthalate) mg/kg (oral rat)

## INHALATION

Vapours or mists in high concentration may cause irritation to the respiratory system.

## INGESTION

Ingestion of large amounts may cause nausea and vomiting.

## SKIN CONTACT

May cause slight irritation on prolonged contact.

## EYE CONTACT

May cause temporary eye irritation.

## HEALTH WARNINGS

Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

**13 DISPOSAL CONSIDERATIONS**

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

## GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

## MARINE POLLUTANT

No.

**15 REGULATORY INFORMATION**

## BUFFER SOLUTION pH 4

RISK PHRASES

NC Not classified.

SAFETY PHRASES

NC Not classified.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

### 16 OTHER INFORMATION

GENERAL INFORMATION

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISION COMMENTS

Changes to section 6 and 7.

REVISION DATE 13/10/2008

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10677

SAFETY DATA SHEET STATUS

Approved.