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ReAgent

BUFFER SOLUTION pH 12 MSDS

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME: BUFFER SOLUTION pH 12

SUPPLIER: Reagent Chemical Services
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PRODUCT NO.: 1327

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

Name	EC No.	CAS-No.	Content	Classification (67/548)
SODIUM HYDROXIDE	215-185-5	1310-73-2	< 1	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

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

Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

BUFFER SOLUTION pH 12**STORAGE PRECAUTIONS**

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

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SODIUM HYDROXIDE	OES				2 mg/m3	

ENGINEERING MEASURES

Provide adequate ventilation.

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	pH-VALUE, CONC. SOLUTION		12	

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Air sensitive.

11 TOXICOLOGICAL INFORMATION**SKIN CONTACT**

Slightly irritating.

EYE CONTACT

Irritating to eyes.

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

ADR CLASS	Not classified for transportation.
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15 REGULATORY INFORMATION

BUFFER SOLUTION pH 12**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

Change to section 1

REVISION DATE 23/09/2008

REV. NO./REPL. SDS GENERATED Supercedes issue July 2002

SDS NO. 10684

RISK PHRASES IN FULL

R35 Causes severe burns.