

# SAFETY DATA SHEET

BUFFER PH9

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**Danum Laboratory Services**

**2 Duncroft Grove**

**Rossington**

**Doncaster DN11 0UL**

**Tel: 01302 864668**

**Fax: 01302 860880**

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

**Product name:** BUFFER PH9

**Product code:** PH9.0

**Use / description of product:** Liquid. No significant hazard. For use in small quantities, for water analysis.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient 1:** SODIUM HYDROXIDE <10%

CAS: 1310-73-2

EINECS: 215-185-5

[C] R35;

**Ingredient 2:** RAW BORIC ACID <10%

CAS: 10043-35-3

EINECS: 2331392

[Xn] R21/22; [Xi] R36/37/38;

**Ingredient 3:** RAW POTASSIUM CHLORIDE <10%

CAS: 7447-40-7

EINECS: 231-211-8

## 3. HAZARDS IDENTIFICATION

**Main hazards:** No significant hazard.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** No symptoms.

**Eye contact:** No symptoms.

**Ingestion:** No symptoms.

**Inhalation:** No symptoms.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash off thoroughly with soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** wash out mouth with water

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide.

**Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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BUFFER PH9**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Clean-up procedures:** Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Yellow

**Odour:** Odourless

**Solubility in water:** Miscible in all proportions

**pH:** 9

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Ingredient 1:** SODIUM HYDROXIDE

IPR MUS LD50 40mg/kg

**Ingredient 3:** RAW POTASSIUM CHLORIDE

ORL MAN LCLO 20mg/kg

ORL RAT LD50 2600mg/kg

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Dispose of as normal industrial waste.

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** : none

**IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

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**Safety phrases:** S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

#### 16. ADDITIONAL INFORMATION

**Additional information:** The information contained within this MSDS is based on bulk quantities. The user should bear in mind the reduced hazard associated with the small quantities normally associated with test kit reagents, and adjust their responses accordingly.

**Risk phrases used in s.2:** R35: Causes severe burns.

R21/22: Harmful in contact with skin and if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.