

Material Safety Data Sheet

Date prepared: 22/12/2008

Date revised: (first edition)

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: BUFFER 4 CALIBRATION FLUID

Company/undertaking name & address: AQUACULTURE LTD
UNIT 3A/3B PARWAY ONE
PARKWAY DRIVE
SHEFFIELD
S9 4WU

Telephone: 0114 2626070

E-mail: callie@aquacult.com

2. Composition

Substance: BUFFER 4 CALIBRATION SOLUTION FOR pH METERS

% Content: 1.02% POTASSIUM HYDROGEN PHTHALATE
0.01% HYDROCHLORIC ACID

CAS Number: N/A

Classification: N/A

EINECS: N/A

3. Hazards Identification

Most important hazards: CAUSES IRRITATION TO OPEN WOUNDS. HARMFUL IF SWALLOWED.

4. First aid measures

Skin contact: IMMEDIATELY IRRIGATE WITH OR CLEAN WATER

Eye contact: IMMEDIATELY IRRIGATE WITH EYEWASH OR CLEAN WATER FOR 15 MINS.

Ingestion: WASH OUT THE PATIENTS MOUTH THOROUGHLY WITH WATER. GIVE PENTY OF WATER TO DRINK. INDUCE VOMITING AND SEEK MEDICAL ATTENTION URGENTLY. DISPLAY LABEL WHERE POSSIBLE

5. Fire fighting measures

Suitable extinguishing media: ANY.

Unsuitable extinguishing media: N/A

Special hazards in fire: N/A

Required special protective equipment: N/A

For fire fighters: N/A

6. Accidental release measures

Spillages: ENSURE SUITABLE GLOVES AND GOGGLES ARE WORN DURING REMOVAL OF SPILLAGE. WASH AREA DOWN WITH COPIOUS AMOUNTS OF WATER.

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Personal precautions: WEAR SUITABLE GLOVES AND GOGGLES IN CASE OF SPLASHES

Environmental Precautions: N/A

7. Handling and storage

Handling: PREVENT CONTACT WITH EYES, SKIN AND CLOTHING. WASH AFTER HANDLING.

Storage: STORE ABOVE 7⁰C TO PREVENT CRYSTALLISATION. KEEP AWAY FROM DIRECT SUNLIGHT.

8. Exposure Controls

Eye protection: WEAR SAFETY GOGGLES.

Hand protection: WEAR RUBBER GLOVES.

Hygiene measures: AN EYEWASH SHOULD BE NEARBY AND READY FOR USE.

9. Physical and chemical properties

Appearance: CLEAR LIQUID

Odour: N/A

pH: 4 AT 20°C

Boiling point: 100⁰C

Melting point: N/A

Flashpoint: N/A

Explosive properties: N/A

Vapour pressure: N/A

Relative density: N/A

Solubility: WATER SOLUBLE

10. Stability and reactivity

Conditions to avoid: HIGH TEMPERATURES, AIR

Materials to avoid: STRONG ACIDS AND BASES.

Hazardous decomposition products: N/A

11. Toxicological information

Acute toxicity: N/A

Local effects: N/A

Excessive exposure may affect human health as follows:

Skin contact: MILD IRRITANT

Eye contact: MILD IRRITANT

Inhalation/ingestion: WILL CAUSE VOMITING AND VIOLRNT ABDOMINAL IF LARGE AMOUNTS ARE INGESTED

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12. Ecological information

Environmental fate and Distribution: NO SPECIFIC ENVIROMENTAL HAZARD

Toxicity: POSES NO SIGNIFICANT THREAT.

13 Disposal Considerations

Disposal should be in accordance with local national legislation.

14. Transport information

Classification data: N/A

15. Regulatory information

N/A

16. Other Information