

Material Safety data sheet (MSDS)

This data sheet is provided to help you work safely, please read before use of this material.

Date of issue: 27-07-2016

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name:

- CDOM calibration standard.

Application:

- CDOM standard for the calibration of the CDOM electrode on the AQUAPROBE (optional optical electrode).

Company identification:

Aquaread Ltd
Bridge House
Northdown Industrial Park
Broadstairs
Kent
CT10 3JP
England

Tel: +44 (0) 1843 600030

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Clear colourless aqueous solution containing;

Water

CAS-No 7732-18-5

EC-No 231-791-2

Citric Acid

CAS-No 77-92-9

EC Number 201-069-1

Sodium Citrate

CAS-No 6132-04-3

EC-No 200-675-3

Sodium Benzoate

CAS-No 532-32-1

EC-208-534-8

Aspartame

CAS-No 22839-47-0

EC-No 245-261-3

Acesulfame K

CAS-No 55589

EC-No 259-715-3

SECTION 3 - HAZARD IDENTIFICATION

Not listed as a carcinogen by NTP, IARC monographs or OSHA.

Contact with the eyes may cause irritation. Prolonged, repeated skin contact may cause skin irritation.

SECTION 4 - FIRST AID MEASURES

- **After inhalation** : if inhaled remove to fresh air. If not breathing give artificial respiration. Seek medical assistance if symptoms persist.
- **After skin contact** : wash exposed area with water and soap. If symptoms persist seek medical attention.
- **After eye contact** : as a precaution rinse out with plenty of water for at least 15 minutes, lifting lids occasionally.
- **After swallowing** : wash out mouth with plenty of water, provided person is conscious. Do not induce vomiting, drink plenty of water. Seek medical advice if symptoms persist.

SECTION 5 – FIRE-FIGHTING MEASURES

- **Suitable extinguishing media**
 - Water spray, foam, dry powder or carbon dioxide (as appropriate to local environment and surroundings).
- **Fire/Explosion Hazards:**
 - None known
- **Additional information:**
 - Only fight fire if you are trained and confident to do so, wear suitable fire protection equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Personal precautions:**
 - Avoid dust formation, NO SMOKING.
- **Environmental precautions:**
 - Eliminate any ignition sources. Leaking containers should be moved to a dry, well-ventilated area. Isolate the spill area. Wear protective clothing and, when necessary, chemical resistant gloves (Neoprene/PVC). Use disposal procedures appropriate for the spent absorbent material used.

SECTION 7 - HANDLING AND STORAGE

- **Handling:**
 - Use good laboratory practice, abide with local health and safety procedures. Avoid eye and skin contact.
- **Storage:**
 - Store in a cool place away from direct sunlight (preferentially at 2-4 degrees Celsius in the fridge to preserve the manufacturers shelf life). Do not store near heat, caustics and oxidising materials or any sources of ignition. Keep container tightly closed when not in use. Avoid damage to storage container.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

- **Personal protective equipment:**
 - As appropriate to quantity handled. Change contaminated clothing.
- **Protective gloves:**
 - Wear appropriate gloves (plastic, nylon, latex) as according to EU directive 89/689/EEC and the standard EN374 derived from it. Wash hands after working with substance.
- **Respiratory protection:**
 - No special respiratory equipment is recommended when working under normal adequate ventilation conditions.
- **Eye protection:**
 - Safety glasses with side shields, goggles or face mask.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

- **Appearance** : Clear colourless liquid
- **Odour** : Citrus
- **Solubility** : Aqueous solution
- **Melting point** : No data available
- **Boiling point** : unknown
- **pH value at 20°C** : unknown
- **Flash point** : unknown

Other safety information

No data available

SECTION 10 - STABILITY AND REACTIVITY

- **Conditions to be avoided:**
 - Strong heating, sources of ignition.
 - Exposure to air may effect product quality, keep lid tightly sealed when not in use.
 - Stable in the recommended storage conditions.
- **Hazardous decomposition products:**
 - None Known
- **Substances to be avoided:**
 - Strong oxidising agents, alkalis and other incompatible material.
- **Hazardous polymerisation**
 - Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity

Not available

Irritation and corrosion

Not available

Signs and symptoms of exposure

Not available

Further data

The product should be handled with the care usual when dealing with chemicals. May be harmful if swallowed, inhaled, can cause skin irritation or may cause eye irritation.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxic effects:

Elimination data not available.

Toxicity to fish; -Not available

Further ecological data:

No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

- **Waste disposal:**

Observe all federal, state and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

14.1 UN-Number ADR, IMDG, IATA: Void

14.2 UN proper shipping name ADR, IMDG, IATA: Not dangerous goods

14.3 Transport hazard class(es) ADR, IMDG, IATA: Void

14.4 Packing group ADR, IMDG, IATA: Void

14.5 Environmental hazards ADR, IMDG, IATA: No

Marine pollutant: No

14.6 Special precautions for user: No data available

SECTION 15 - REGULATORY INFORMATION

Labelling according to EC Directives:

None reported

SECTION 16 - OTHER INFORMATION

- **Supersedes edition of** : - none (new document)

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT AT THE DATE OF ISSUE. IT CHARACTERISES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT. AQUAREAD LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING IN HANDLING OR EXPOSURE TO THE ABOVE PRODUCT. AQUAREAD LTD DOES NOT CARRY OUT ANY ANIMAL TESTING.

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