

Health & Safety data sheet
According to EC Directive 91/155/EC

Date of issue: 20 January 2008.

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name:

- Ammonia Reagent 1 for Sea Water

Application:

- Determination of ammonia in sea water samples

Manufacturer identification: Hanna Instruments Italia s.r.l.
viale delle Industrie, 12/A
35010 Villafranca Padovana, Italy
tel. n.°: +39-049-9070211

Emergency Telephone n. °: +39-02-66101029
CENTRO ANTIVELENI
OSPEDALE NIGUARDA (MI) - ITALY

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Aqueous solution.

SECTION 3 - HAZARD IDENTIFICATION

No hazardous product as specified in Directive 67/548/EEC.

SECTION 4 - FIRST AID MEASURES

Remove contaminated, soaked clothing immediately and dispose of safely.

- **After inhalation** : fresh air.
- **After skin contact** : wash off with plenty of water.
- **After eye contact** : rinse out with water.
- **After swallowing** : wash out mouth thoroughly with water and give plenty of water to drink. In severe cases obtain medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:**
 - Water spray, foam, dry powder or carbon dioxide.
- **Special risks:**
 - NA
- **Special protective equipment for fire fighting:**
 - Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.
- **Additional information:**
 - Non-combustible.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Personal precautions:**
 - Do not inhale vapors. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.
- **Environmental precautions:**
 - Do not discharge into the drains/surface waters/groundwater.
- **Additional notes:**
 - If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillage liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillage.

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SECTION 7 - HANDLING AND STORAGE

- **Handling:**
 - Cannot be stored indefinitely.
 - Accessible only for authorized persons.
- **Storage:**
 - Tightly closed. Store at room temperature (+15 to +25 °C recommended). Protect from light.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

- **Personal protective equipment:**
 - As appropriate to quantity handled.
- **Respiratory protection:**
 - Required when vapors/aerosols are generated. Work under hood.
- **Protective gloves:**
 - Rubber or plastic
- **Eye protection:**
 - Goggles or face mask

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

- **appearance and odor** : liquid, odorless
- **solubility in water** : soluble
- **melting point** : ND
- **pH** : 12.5
- **boiling point** : ND
- **ignition temperature** : NA
- **flash point** : NA
- **density at 20°C** : 1.22 g/cm³

SECTION 10 - STABILITY AND REACTIVITY

- **Conditions to be avoided:**
 - Strong heating.
- **Substances to be avoided:**
 - The generally known reaction partners of water.
- **Hazardous decomposition products:**
 - In the event of fire: see section 5.
- **Further information:**
 - Stable

SECTION 11 - TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of this product are not available.

- **Further data** : the product should be handled with the care usual when dealing with chemicals.

SECTION 12 - ECOLOGICAL INFORMATION

- **Ecotoxic effect** : quantitative data on the ecological effect of this product are not available.
- **Further ecological data** : no ecological problems are to be expected when the product is handled and used with due care and attention.

SECTION 13 - DISPOSAL CONSIDERATIONS

- **Waste disposal:**
 - Chemical residues are generally classified as special waste and thus covered by local regulations. Contact local authorities or disposal companies for advice.
 - Handle contaminated packaging in the same way as the substance itself.

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SECTION 14 - TRANSPORT INFORMATION

- **Land transport** ADR/RID : 9/UN 3316/PGII
 Name : CHEMICAL KIT

- **Sea transport** IMDG : 9/UN 3316/PGII
 Name : CHEMICAL KIT

- **Air transport** ICAO/IATA : 9/UN 3316/PGII
 Name : CHEMICAL KIT

These transport data apply to the entire pack!

SECTION 15 - REGULATORY INFORMATION**Labeling according to EC Directives:**

Symbol: -
R-phrases : -
S-phrases : -
Contains : -

SECTION 16 - OTHER INFORMATION

- **Supersedes edition of** : June 2002
- **Reason for revision** : general update
- **Legend** : NA Not applicable
 ND Not determined

THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.