

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

Date of issue: 18 January 2008

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product Name:
Demineralizer Bottle

Catalogue No. :
• DEMI-02, DEMI-05, DEMI-10

Application:
• Preparation of demineralized water from tap water.

Manufacturer identification: Hanna Instruments Italia s.r.l.
Viale delle Industrie, 12/A
35010 Villafranca Padovana, Italy

Emergency Telephone n.º: +39-049-9070211

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

NAME (EC directives)	EC-Index-No.	CAS No.	LABELLING (EC directives)	CONTENT
Functionalized copolymer	NA	NA	Xi R 36	≥30% - <80%

SECTION 3 - HAZARD IDENTIFICATION

Irritating to eyes.

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. Remove contaminated clothing.
- **After eye contact** : rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.
- **After swallowing** : make victim drink plenty of water, induce vomiting, summon doctor.

SECTION 5 – FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:**
- water spray, foam, dry powder or carbon dioxide.
- **Special risks:**
- development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire: aromatic derivatives; carbon, nitrogen and sulfur oxides.
- **Special protective equipment for fire fighting:**
- do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.
- **Additional information:**
- prevent fire fighting water from entering surface water or groundwater. Contain escaping vapors with water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- **Personal precautions:**
- take up dry. Clean up affected area and dispose according to local regulation. Avoid generation of dusts.
- avoid substance contact. Avoid inhalation of dusts.
- **Environmental precautions:**
- do not discharge into the drains/surface waters/groundwaters.

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SECTION 7 - HANDLING AND STORAGE

- **Handling:**
 - cannot be stored indefinitely.
- **Storage:**
 - tightly closed. Avoid dehydration. Store at 0 °C to +40 °C. Protect from light.
 - accessible only for authorized persons.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

- **Personal protective equipment:**
 - as appropriate to quantity handled.
- **Protective gloves:**
 - rubber or plastic.
- **Respiratory protection:**
 - required when dusts are generated.
- **Eye protection:**
 - goggles or face mask.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

- | | | | |
|------------------------------|--------------------------------|-------------------------------|-------------------------------|
| • appearance | : granules | • explosion limits | : NA |
| • color | : yellow-brown, green and blue | • ignition temperature | : > 500 °C |
| • odor | : amine-like | • flash point | : NA |
| • solubility in water | : insoluble | • density at 20°C | : 1.03-1.30 g/cm ³ |
| • melting point | : NA | • particle size | : 0.3-1.2 mm |
| • boiling point | : NA | • pH value | : neutral |

SECTION 10 - STABILITY AND REACTIVITY

- **Conditions to be avoided:**
 - may develop amine vapor at temperature > 50 °C.
- **Substances to be avoided:**
 - nitric acid, strong oxidizing agents.
- **Hazardous decomposition products:**
 - in the event of fire: see section 5.
- **Further information:**
 - stable in the usual condition of use.

SECTION 11 - TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
 - Quantitative data on the toxicity of this product are not available.
- **Further toxicological information:**
 - After eye contact: irritations.
- **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

Not subject to transport regulations.

SECTION 15 - REGULATORY INFORMATION

Labeling according to EC Directives:

Symbol:	Xi	Irritant.
R-phrases :	36	Irritating to the eyes.
S-phrases :	26-36	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.
Contains :	functionalized copolymer.	

SECTION 16 - OTHER INFORMATION

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.