
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **HARDNESS CONTROL**
Datasheet Number: 571299 2.0.0
Use of the substance/preparation: Boiler water treatment
Product Part Number: 571299 (25 kg)

Name of Supplier: Unitor ASA
Address of Supplier: Willem Barentszstraat 50
3165 AB Rotterdam-Albrandswaard
The Netherlands

Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS
Address of Manufacturer: P.O.Box 15
3141 Kjøpmannskjær
Norway.
Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333
CHEMTREC (800) 424 9300
CMA +1 703 527 3887
Greece +30 1 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Sodiumhexametaphosphate	90 - 100	10124-56-8	233-343-1	-	-

3 Hazards identification

- Odour: Odourless
- Appearance: powder, white, soluble in water
- Contact with eyes: Prolonged exposure may cause abrasive irritation of the eyes
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Prolonged exposure may cause abrasive irritation of the mucous membranes
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances

4 First aid measures

Contact with skin

- Wash affected area with plenty of soap and water

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes

4 First aid measures (....)

- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention

Ingestion

- Never give anything by mouth to an unconscious person
- Give water or milk to drink
- When in doubt or symptoms persist, seek medical attention

Inhalation

- Remove patient to fresh air
- Seek medical attention if irritation persists

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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5 Fire-fighting measures

- Non-combustible solid
 - Decomposition products may include phosphorous compounds
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8
- Avoid raising dust

Environmental Precautions

- No special precautions are required for this product

Clean Up Actions

- Sweep or shovel-up spillage and remove to a safe place
- Wash spill site with water and detergent

Special Precautions

- Wear protective clothing as per section 8
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7 Handling and storage

Handling

- The usual precautions for handling chemicals should be observed

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
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8 Exposure controls and personal protection

Exposure Limits

- There are no recommended or established controls for this product
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8 Exposure controls and personal protection (....)

Occupational exposure controls

- Wear suitable dustmask e.g.to BS 2091
- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



9 Physical and chemical properties

- Odour: Odourless
- Appearance: powder, white, soluble in water
- pH ~6 at 1 % concentration
- Vapour pressure - not known
- Melting point >600 °C at 760 mm /Hg
- Water solubility ~100 g/l
- Density 1100 kg/m³
- Non-combustible solid

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid contact with moist air
- See Section 5

11 Toxicological information

Toxicological information

- LD50 (dermal) : 7250 mg/kg

Inhalation

- May cause irritation

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- May cause irritation

Ingestion

- No effects for small dosage. Large dose effects not known
- The ingestion of significant quantities may cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

- Presents little or no hazard to the aquatic environment

Mobility

- Completely soluble in water

Persistence and Biodegradability

- Degrades by hydrolysis

Bioaccumulation Potential

- Bioaccumulation is insignificant

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.

In its intended use, the product will not be released into the environment.

- Presents little or no hazard to the environment
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13 Disposal considerations

Classification

- EU Waste class: -

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Disposal should be in accordance with local, state or national legislation
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable
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16 Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

16 Other information (....)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)