

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: **HARDNESS CONTROL**
 Datasheet Number: 571299 6. 0. 0
 Use of the substance/preparation: Boiler water treatment
 Product Part Number: 571299 (25 kg)
 Head Office:: Wilhelmsen Ships Service AS
 address: Strandveien 20, N1324 Lysaker, Norway, Tel: (+47) 67 58 45 50
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB Rotterdam

 The Netherlands
 Telephone: +31 10 4877 777
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 Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
 Email: Patrick.Rijdsdijk@Wilhelmsen.com
 Emergency Telephone: ****ONLY TO BE USED IN CASE OF AN INCIDENT****
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887,
 Greece +30 210 7793777

2 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

Classification of the substance or mixture

- The product is not classified as hazardous according to directive 1999/45/EEC

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable

3 Composition/information on ingredients

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

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

4 First aid measures (....)

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, protective equipment and emergency procedures

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

Environmental Precautions

- No special precautions are required for this product

Methods and material for containment and cleaning up

- 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

Precautions for safe handling

- The usual precautions for handling chemicals should be observed

Conditions for safe storage, including any incompatibilities

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

Control parameters

- There are no recommended or established controls for this product

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)



Goggles



Gloves



Suit



No Smoking

9 Physical and chemical properties

- Odour: Odourless
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9 Physical and chemical properties (....)

- 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
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10 Stability and reactivity

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

Information on toxicological effects

- 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
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12 Ecological information

Ecotoxicity

- Presents little or no hazard to the aquatic environment

Persistence and degradability

- Degrades by hydrolysis

Bioaccumulation Potential

- Bioaccumulation is insignificant

Mobility in soil

- Completely soluble in water

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

Waste treatment methods

- 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

Classification

- EU Waste class: -
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14 Transport information

Special precautions for user

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Not classified as hazardous for users

Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
 - This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
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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