

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: HARDNESS CONTROL

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture:
 - Boiler water treatment

1.3 Details of the supplier of the safety data sheet

Company:

Unimarine Services Inc.
60 Market Square,
PO Box 364, Belize City

Contact your nearest Unimarine sales office

Representative office in Greece:

Email: info@unimarine.gr
Tel: +30 210 9957279

1.4 Emergency Telephone Number

Emergency Telephone: Only to be used in case of incident
Tel: 00357 25 662068

2. Hazards identification

2.1 Classification of the substance or mixture

- Not classified as hazardous for users

2.2 Label elements

- Not applicable
- Hazard phrases
 - Not applicable
- Precautionary Phrases
 - Not applicable

2. Hazards identification

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
 - 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
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3. Composition/information on ingredients

3.1 Mixtures

- Sodiumhexametaphosphate
Concentration: 90 - 100%
CAS Number: 10124-56-8
EC Number: Not applicable
Symbols: Not applicable
R/H Phrases: Not applicable
Categories: Not applicable
REACH REG. NO: 01-21194856 51-33-0000
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4. First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- When in doubt or symptoms persist, seek medical attention
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give water or milk to drink
- Never give anything by mouth to an unconscious person
- When in doubt or symptoms persist, seek medical attention
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- Seek medical attention if irritation persists

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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5. Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

5. Fire-fighting measures

- Keep container(s) exposed to fire cool, by spraying with water
- Decomposition products may include phosphorous compounds

5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 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

6.4 Reference to other sections

- None
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7. Handling and storage

7.1 Precautions for safe handling

- The usual precautions for handling chemicals should be observed
- Wear protective clothing as per section 8
- Ensure adequate ventilation
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a dry place. Store in a closed container (P402+P404).
- Store in a well-ventilated place (P403).

7.3 Specific end use(s)

- Contact supplier for further information
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8. Exposure controls/personal protection

8.1 Control parameters

- There are no recommended or established controls for this product

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls



- Ensure adequate ventilation
 - No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
 - Wear suitable dustmask e.g.to BS 2091
 - Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - Penetration time of glove material:
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: powder, white, soluble in water
- pH ~6 at 1 % concentration
- Vapour pressure - not known
- Density 1200 kg/m³ at 20 °C
- Non-combustible solid

9.2 Other information

- No information available
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10. Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.3 Incompatible materials

- None

10.4 Conditions to avoid

- Avoid contact with moist air

10.5 Hazardous Decomposition Products

- No hazardous decomposition products known
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11. Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, mouse) 4320 mg/kg

11.2 Contact with eyes

- May cause irritation

11.3 Contact with skin

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

11.4 Ingestion

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

11.5 Inhalation

- May cause irritation
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12. Ecological information

12.1 Toxicity

- LC50 (fish) (Leuciscus idus) 1600 mg/l (48 hr)

12.2 Persistence and degradability

- Not applicable

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water
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12. Ecological information

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Not applicable
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13. Disposal considerations

13.1 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

13.2 Classification

- EU Waste class: 16 05 07
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14. Transport information

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not classified as hazardous for transport

14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.5 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR subrisk: Not applicable
- ADR Packing Group: Not applicable
- ADR Flashpoint: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG subrisk: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable
- IMDG Flashpoint: Not applicable

14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
 - Proper Shipping Name: Not applicable
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14. Transport information

- ICAO Packing Group: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO subrisk: Not applicable
- ICAO Flashpoint: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
 - DOT Proper Shipping Name: Not applicable
 - DOT Labels: Not applicable
 - Product RQ (lbs): Not applicable
 - Hazardous Material: Not applicable
 - Hazard Class: Not applicable
 - DOT subrisk: Not applicable
 - DOT Flashpoint: Not applicable
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15. Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
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- Components in this product are tested due to PARCOM's directions of Offshore chemicals.
- HOCNF is available in CHEMS database.
- This product is approved by the Norwegian Health Authorities and listed in Approved/evaluated chemicals for use in potable water supply onshore and offshore.

15.2 Chemical Safety Assessment

- None
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16. Other information

The information contained herein relates only to the specific material identified. Unimarine Services Inc. Believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Unimarine Services Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application