



SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: RO SCALE CONTROL
- Product Part Number: 777716

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

- Use of the substance/mixture:
 - water treatment
- Membrane Antiscalant

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentszstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: Telephone: +31 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
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-
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
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- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
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- International 24hrs Emergency NCEC: +44 1865 407333
- American 24hrs Emergency CHEMTREC (800) 424 9300
- American Chemistry Council 24hrs +1 703 527 3887
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 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

SECTION 2 Hazards identification (....)**2.3 Other hazards**

- Odour: Slight smell of ammonia
 - Appearance: Liquid, light, yellow
 - Contact with eyes: May cause redness and irritation
 - Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
 - Inhalation: May cause irritation
 - Ingestion: Not regarded as a potential route of exposure., May cause irritation
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SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- Aminotri(methylene phosphonic acid), sodium salt
Concentration: 10-30%
CAS Number: 20592-85-2
EC Number: 243-900-0
Symbols: Not applicable
R/H Phrases: Not applicable
Categories: Not applicable
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SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).

4.2 Most important symptoms and effects, both acute and delayed

- Possible redness and irritation of affected areas
- Mildly irritating to respiratory system

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 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

- See Section 10
- Low hazard

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

SECTION 6 Accidental release measures (....)

- Shut off source of leak if safe to do so
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Avoid release to the environment (P273).
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Place in appropriate container
- Seal containers and label them

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage**7.1 Precautions for safe handling**

- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing (P262).

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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SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

- <Chemical Name>

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls

- Ensure adequate ventilation
 - Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
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SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Odour: Slight smell of ammonia
- Appearance: Liquid, light, yellow, miscible with water
- pH 10-11
- Boiling point 105 °C
- Density ~1,4 g/cm³ at 20 deg C

9.2 Other information

- No information available

SECTION 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 overheating

10.5 Hazardous Decomposition Products

- Decomposition products may include nitrogen oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Aminotri(methylene phosphonic acid), acid), sodium salt) 17800 mg/kg
- LD50 (skin,rabbit) (Aminotri(methylene phosphonic acid), acid), sodium salt) 15800 mg/kg

11.2 Contact with eyes

- May cause redness and irritation

11.3 Contact with skin

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

11.4 Ingestion

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop

11.5 Inhalation

- Mildly irritating to respiratory system
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SECTION 12 Ecological information

12.1 Toxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.
- LC50 (fish) (Aminotri(methylene phosphonic acid), sodium salt) 330 mg/l (96 hr)
- EC50 (daphnia) (Aminotri(methylene phosphonic acid), sodium salt) 297 mg/l (48 hr)
- Biodegradability. OECD-test. 28 days >20% - <60 % (Aminotri(methylene phosphonic acid), sodium salt)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- On available data, substance is not harmful to the environment
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point (P501)

13.2 Classification

- EU Waste class: none
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SECTION 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

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

14.7 Air (ICAO/IATA)

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

SECTION 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

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

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

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

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA
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SECTION 16 Other information (....)

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