
SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking**1.1 Product identifier**

- Product Name: POOL CLARIFIER
- Product Part Number: 766539 (1L)

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

- Use of the substance/preparation:

Water treatment Pool and SPA

1.3 Details of the supplier of the safety data sheet

Name of Supplier:

Head Office:

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

-
- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

****FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES****

SECTION 2 Hazards identification**2.1 Classification of the substance or mixture**

- Not Classified

2.2 Label elements

- Contains:
- 2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer
- Hazard phrases
Not applicable
- Precautionary Phrases
Not applicable

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

- Odour: Amine odour
 - Appearance: Liquid, colourless
 - Contact with eyes: In cases of severe exposure, irritation may develop
 - Contact with skin: In cases of severe exposure, irritation may develop
 - Inhalation: In cases of severe exposure, dizziness may develop
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SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- 2-propen-1-aminium,N,N-dimethyl-N2-propenyl-,chloride, homopolymer
Concentration: 1-5%
CAS Number: 26062-79-3
EC Number: Not applicable
Symbols: Not applicable
R/H Phrases: R52/53 - H412
Categories: Aquatic Chronic 3
-

SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- When in doubt or symptoms persist, seek medical attention
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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 INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- 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 make an unconscious person vomit or drink fluids
- When in doubt or symptoms persist, seek medical attention
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- If medical advice is needed, have product container or label at hand (P101).

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5 Fire-fighting measures**5.1 Extinguishing media**

- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

- In case of fire: (P370)
 - Nitrogen oxides may be formed
 - Carbon oxides may be formed
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SECTION 5 Fire-fighting measures (....)

5.3 Advice for firefighters

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

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Ventilate the area and wash spill site after material pick-up is complete
- Avoid release to the environment (P273).

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Do not get in eyes, on skin, or on clothing (P262).

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Protect from frost
- Store at temperatures not exceeding 20°C/ (P411+P235)

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

- No exposure limits have been set for this substance

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls



- Wear goggles giving complete eye protection
 - Wear rubber or PVC gloves
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
 - Wear suitable respiratory protection. Gas cartridge (organic substances).
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Amine odour
 - Appearance: Liquid, colourless
 - pH 3-5 at 100 % concentration
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SECTION 9 Physical and chemical properties (....)

- Boiling point 100 °C to 760 °C
- Freezing point ~0 °C
- Completely soluble in water
- Density 1,0 - 1,01 g/cm³ at 20 deg C
- Flash point >100 deg C (CC)
- pH: 3-5

9.2 Other information

- None

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

- Incompatible with acids and alkalis

10.4 Conditions to avoid

- Keep away from frost

10.5 Hazardous Decomposition Products

- Decomposition products may include nitrogen and carbon oxides

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) 2000 mg/kg

11.2 Contact with eyes

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

11.3 Contact with skin

- In cases of severe exposure, irritation may develop

11.4 Ingestion

- In cases of severe exposure, dizziness may develop

11.5 Inhalation

- In cases of severe exposure, irritation may develop

SECTION 12 Ecological information

12.1 Toxicity

- EC50 (daphnia) >10 mg/l (48 hr)
- LC50 (fish) >10 mg/l (96 hr)

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- Not applicable

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

SECTION 12 Ecological information (....)

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

13.2 Classification

- EU Waste class: -
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

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

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 Classified

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
- 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
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SECTION 14 Transport information (....)

- Hazardous Material: Not applicable
 - Hazard Class: Not applicable
 - DOT subrisk: Not applicable
 - DOT Flashpoint: Not applicable
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SECTION 15 Regulatory information

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

- The product is not classified as hazardous according to directive 1999/45/EEC
- Refer to The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H412: Harmful to aquatic life with long lasting effects. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

SECTION 16 Other information (....)

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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