



Revision: 27 Oct 2015

SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

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

1.1 Product identifier

- Product Name: NALFLEET 2000
- Product Part Number: 777710 (25Ltr) - 777711 (210Ltr) - 778640 (5Ltr)
- Datasheet Number: 777711

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

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

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
- Strandveien 20, N1324 Lysaker
- 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

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
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- The Netherlands: National Poisons Information Centre + 31 30 274 88 88

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- H360 - May damage fertility or the unborn child
- Repr. 1B

2.2 Label elements



- Signal Word: Danger
- Repr. 1B
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- Contains:
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- Hazard statements
 - H360 - May damage fertility or the unborn child.
 - H319 - Causes serious eye irritation.
- Precautionary statements
 - P201 - Obtain special instructions before use.
 - P202 - Do not handle until all safety precautions have been read and understood.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P308+P313 - IF exposed or concerned: Get medical advice/attention.

2.3 Other hazards

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- sodium nitrite
 - Concentration: 1-5%
 - CAS Number: 7632-00-0
 - EC Number: 231-555-9
 - Symbols: GHS03,GHS06,GHS09, O, T, N
 - R/H Phrases: R8, R25, R50 - H272, H301, H400
 - Categories: Ox. Sol. 3 Acute Tox. 3 * Aquatic Acute 1
- Sodiumtetraborate
 - Concentration: 1-5%
 - CAS Number: 1330-43-4
 - EC Number: 215-540-4
 - Symbols: GHS08, T
 - R/H Phrases: H360, H319 - R60,R61
 - Categories: Eye Irrit. 2, Repr. 1B
- disodium metasilicate
 - Concentration: 1-5%
 - CAS Number: 6834-92-0

SECTION 3 Composition/information on ingredients (....)

EC Number: 229-912-9

Symbols: GHS05,GHS07, C

R/H Phrases: R34, R37 - H290, H314, H335

Categories: Met. Corr. 1, Skin Corr. 1B, STOT SE 3

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
- Seek medical attention if irritation persists
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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.
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical attention if irritation persists
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- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Induce vomiting (only if patient is conscious)
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
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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.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Possible irritation of affected areas
- Mildly irritating to respiratory system
- In cases of severe exposure, cyanosis may develop

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

- May give off noxious and toxic fumes in a fire

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

- Wear protective clothing as per section 8
- Remove contaminated clothing
- Wash thoroughly after dealing with spillage

6.2 Environmental Precautions

SECTION 6 Accidental release measures (....)

- 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

6.4 Reference to other sections

SECTION 7 Handling and storage**7.1 Precautions for safe handling**

- Eyewash bottles should be available
- Proper chemicals handling procedures should be adopted
- Avoid breathing dust/fume/gas/mist/vapours/spray.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Avoid contact with acid

7.3 Specific end use(s)

- Not applicable
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SECTION 8 Exposure controls/personal protection**8.1 Control parameters****8.2 Exposure controls**

- No special precautions are required for this product

8.3 Occupational exposure controls

- Ensure adequate ventilation
- Eyewash bottles should be available
- Wear goggles giving complete eye protection
- Wear neoprene or nitrile gloves
- Wear plastic or rubber gloves
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- No respiratory protection is required unless subject to contact with substance mist
- Wear suitable respiratory protection. Gas cartridge (acid gases).

**SECTION 9 Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance: Liquid, red
 - Odour: Odourless
 - pH: pH 11 at 100 % concentration
 - miscible with water
 - Density: Density 1,095 - 1,125 g/cm³ at 20 deg C
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SECTION 9 Physical and chemical properties (....)

9.2 Other information

- No information available
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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 acid
- Incompatible with strong oxidizing substances

10.4 Conditions to avoid

- Avoid overheating

10.5 Hazardous Decomposition Products

- Decomposition products may include nitrogen and carbon oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

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, redness and irritation may develop

11.4 Ingestion

- In cases of severe exposure, cyanosis may develop

11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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SECTION 12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Not applicable

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

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
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

SECTION 14 Transport information

Not classified as hazardous for transport

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

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

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

14.8 DOT / CFR (US Department of Transportation)

SECTION 14 Transport information (....)

- Identification Number: Not applicable
 - DOT Proper Shipping Name: Not applicable
 - DOT Labels: Not applicable
 - Product RQ (lbs): Not applicable
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SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- 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
- Danish PR number: 2388927
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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/shipservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States
Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

SECTION 16 Other information (....)

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