



Revision: 12/19/2014

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: ROCOR NB LIQUID
- Product Part Number: 571356 (25 liter)

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
- Telephone: Telephone: +31 4877 777 Fax: +31 4877 888
- Strandveien 20, N1324 Lysaker
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
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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
-
- 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

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)

SECTION 2 Hazards identification (....)

- Symbols: T
- Toxic if swallowed (R25)
- May impair fertility (R60)
- May cause harm to the unborn child (R61)
- Contains Benzothiazol-2-thiol. May produce an allergic reaction.
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Warning
- Symbols: GHS07
- Acute Tox. 4
- Eye Irrit. 2
- Repr. 1B

2.2 Label elements

- Signal Word: Warning
-
- Contains:
 - sodium nitrite, Sodiumtetraborate, Benzothiazol-2-thiol
 -
- Hazard phrases
 - Harmful if swallowed (H302).
 - Causes serious eye irritation (H319).
 - May damage fertility or the unborn child (H360).
 - Contains Benzothiazole-2-thiole. May produce an allergic reaction (EUH208).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell (P301+P312).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Odour: Odourless
- Appearance: Liquid, red, soluble in water
- Contact with eyes: May cause severe irritation
- Inhalation: May cause irritation
- This product contains 15 % (by weight) Sodium nitrite in water. No oxidizing effect.

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- sodium tetraborate
 - Concentration: 1-2%
 - CAS Number: 1330-43-4
 - EC Number: 215-540-4
 - Symbols: GHS08, GHS07, T
 - R/H Phrases: R60,R61 - H360, H319
 - Categories: Repr. 1B, Eye Irrit. 2

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

- sodium nitrite
 - Concentration: 10-30%
 - CAS Number: 7632-00-0
 - EC Number: 231-555-9
 - Symbols: GHS03,GHS06,GHS09, O, T, N
 - R/H Phrases: R8,R25,R50 - H319, H272,H301,H400
 - Categories: Acute Tox. 3, Aquatic Acute 1, Eye Irrit. 2, Ox. Sol. 2
 - REACH NO: 01-21194718-36-27

 - benzothiazole-2-thiol
 - Concentration: 0,1-0,2 %
 - CAS Number: 149-30-4
 - EC Number: 205-736-8
 - Symbols: GHS07,GHS09, Xi, N
 - R/H Phrases: R43,R50/53 - H317,H400,H410
 - Categories: Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1
-

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Irrigate eyes thoroughly whilst lifting eyelids
- Obtain immediate medical attention
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- Inhalation is unlikely to occur
- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention
-
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310).
- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Induce vomiting (only if patient is conscious)
- If vomiting occurs turn patient on side

4.2 Most important symptoms and effects, both acute and delayed

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Possible severe irritation of affected areas
- Toxic if swallowed (H301).

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
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SECTION 5 Fire-fighting measures (....)

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 Positive-Pressure Breathing Apparatus
 - Substance evolves toxic fumes, wear self-contained 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 inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

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).
- 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. Keep container tightly closed (P403+P233).
- Protect from heat
- Protect from frost

7.3 Specific end use(s)

- Contact supplier for further information
-

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Sodiumtetraborate
TLV (TWA) (Lowest value found Denmark) 1 mg/m³ ()

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - 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.
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, red, soluble in water
- pH 9.5 - 10.5 at 100 % concentration
- Boiling point >100 °C to 760 °C
- Vapour pressure - not known
- Vapour density - not applicable
- Completely soluble in water
- Density 1,11 - 1,13 g/cm³ at 20 deg C

9.2 Other information

- None
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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

- None

10.4 Conditions to avoid

- Avoid overheating
- Avoid contact with acid

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) (Sodium nitrite) 85 mg/kg

11.2 Contact with eyes

- May cause severe irritation
- May cause pain

11.3 Contact with skin

- In cases of severe exposure, severe irritation may develop

11.4 Ingestion

- Toxic if swallowed (H301).

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

- LC50 (fish) (Sodium Nitrite) 0,56 - 1,78 mg/l (96 hr)
 - EC50 (daphnia) (Sodium Nitrite) 12,5-100 mg/l (48 hr)
 - LC50 (fish) (Sodium tetraborate) 650 mg/l (96 hr)
 - EC50 (daphnia) (Sodium tetraborate) >100 mg/l (48 hr)
 - LC50 (fish) (benzotiazol-2-tiol) >100 mg/l (96 hr)
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SECTION 12 Ecological information (....)

- This product contains components which are classified in the EU as dangerous for the environment.
- 12.2 Persistence and degradability
- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.
- 12.3 Bioaccumulation Potential
- Bioaccumulation of the components in this product is insignificant.
- 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
- Not available
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SECTION 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: 06.03 14
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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
- 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

SECTION 14 Transport information (....)

- 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
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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 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
- Norwegian Productregistration no: 17129
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- ***SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57***: CAS: 1330-43-4 - Sodiumtetraborate
- Offshore product registration number: Danish PR number: 1083398

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:- H272: May intensify fire; oxidiser. H301: Toxic if swallowed. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H360: May damage fertility or the unborn child. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. R25: Toxic if swallowed. R43: May cause sensitisation by skin contact. R50: Very toxic to aquatic organisms. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R60: May impair fertility. R61: May cause harm to the unborn child. R8: Contact with combustible material may cause fire.

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

SECTION 16 Other information (....)

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

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