

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: ROCOR NB LIQUID
Datasheet Number: 571356 4. 0. 0
Use of the substance/preparation: Cooling water treatment
Product Part Number: 571356 (25 liter)
Recommended / Intended use: Cooling water treatment
Name of Supplier: Wilhelmsen Maritime Services AS
Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

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Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
Email: Leen.de.Visser@Wilhelmsen.com
Name of Manufacturer: UNITOR CHEMICALS AS
Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
Telephone: +47 333 515 00
Emergency Telephone: NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sodium nitrite	10-30	7632-00-0	231-555-9	8, 25, 50	T, O, N
Sodiumtetraborate 10 aq	1-5	1303-96-4	215-540-4	62, 63	Xn
Benzothiazol-2-thiol	0.1-.02	149-30-4	205-736-8	43, 50/53	Xi, N

*See Section 16

3 Hazards identification

- Odour: Odourless
- Appearance: Liquid, red, soluble in water
- Contact with eyes: May cause pain
- Contact with skin: In cases of severe exposure, severe irritation may develop
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: Toxic if swallowed (R25)



Toxic

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- Obtain immediate medical attention

Ingestion

- Never make an unconscious person vomit or drink fluids
- Give water or milk to drink

4 First aid measures (....)

- Induce vomiting (only if patient is conscious)
- Obtain immediate medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5 Fire-fighting measures

- Nitrogen oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Substance evolves toxic fumes, wear self-contained breathing apparatus

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Wear protective clothing as per section 8

7 Handling and storage

Handling

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Protect from heat
- Protect from frost

8 Exposure controls and personal protection

Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



Gloves



Goggles



Suit



No Smoking

9 Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, red, soluble in water
- pH 9.5 - 10.5 at 100 % concentration
- Boiling point >100 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density - not applicable
- Freezing point <0 °C at 760 mm/Hg
- Completely soluble in water

9 Physical and chemical properties (....)

- Specific gravity (water=1) 1.12
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10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid contact with acid
 - Incompatible with acid, Contact with acids liberates toxic gas (R31)
 - See Section 5
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11 Toxicological information

Toxicological information

- No experimental data available

Inhalation

- Not applicable

Contact with skin

- In cases of severe exposure, severe irritation may develop

Contact with eyes

- May cause severe irritation
- May cause pain

Ingestion

- Toxic if swallowed (R25)

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product contains components which are classified in the EU as dangerous for the environment.
- May cause acute effects in the aquatic environment

Mobility

- Completely soluble in water

Persistence and Biodegradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
In its intended use, the product will not be released into the environment.
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13 Disposal considerations

Classification

- EU Waste class: 06.03
- This material and/or its container must be disposed of as hazardous waste

Disposal considerations

- 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
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Contains Benzothiazol-2-thiol. May produce an allergic reaction.



Toxic

15 Regulatory information (....)

Risk Phrases

- Toxic if swallowed (R25)

Safety Phrases

- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
 - This material and its container must be disposed of in a safe way (S35)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- 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; R62: Possible risk of impaired fertility; R63: Possible risk of harm to the unborn child; R8: Contact with combustible material may cause fire.

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

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

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)