

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name: **NITRITE NO.2 TABLETS**  
 Datasheet Number: **555631-2R 2. 0. 0**  
 Product Part Number: **555631 (250 x 0,1 gram)**  
 Head Office:: **Wilhelmsen Ships Service AS**  
 Address: **Strandveien 20, N1324 Lysaker, Norway, Tel: (+47) 67 5845 50**

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

#### Reagent

#### 1.3 Details of the supplier of the safety data sheet

Name of Supplier: For quotations contact your local Customer Services  
 Address of Supplier: Wilhelmsen Ships Service AS  
 Willem Barentszstraat 50  
 3165AB Rotterdam  
 +31 4877 888  
 The Netherlands  
 Telephone: +31 4877 777  
 Fax:  
 Responsible Person: , Product HSE Manager, Tel.: +31 10 4877775  
 Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

#### 1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT-  
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300  
 American Chemistry Council +1 703 527 3887,  
 Greece +30 210 7793777  
 Australia: +61 3 9630 0998  
 Giftinformasjonssentralen in Norway Tel.: +47 22591300

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

#### 2.2 Label elements



- Symbols: N, GHS09

#### Hazard phrases

- Toxic to aquatic life with long lasting effects.

## 2 Hazards identification (....)

### Precautionary Phrases

- Avoid release to the environment.
- Collect spillage.
- Dispose of contents/container to an authorised waste collection point

### Risk Phrases

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

### Safety Phrases

- This material and its container must be disposed of as hazardous waste (S60)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

### 2.3 Other hazards

- Odour: Odourless
- Appearance: Tablets, violet, partly soluble in water
- Contact with eyes: Causes redness and irritation
- Contact with skin: May cause irritation

## 3 Composition/information on ingredients

### 3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Potassium permanganate	<2.5%	7722-64-7	231-760-3	R8, 22, 50/53 H272, H302 H400, H410	Xn, O, N GHS03, GHS07 GHS09 Danger

\*See Section 16

## 4 First aid measures

### 4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN: Wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give water or milk to drink
- Never make an unconscious person vomit or drink fluids
- 
- IF exposed or concerned: Get medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

- The ingestion of significant quantities may cause nausea/vomiting

### 4.3 Indication of immediate medical attention and special treatment needed

N/A

## **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

- Smoke from fires is toxic

### 5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
  - Smoke from fires is toxic
- 

## **6 Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

### 6.2 Environmental Precautions

- Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Sweep or shovel-up spillage and remove to a safe place

### 6.4 Reference to other sections

- None
- 

## **7 Handling and storage**

### 7.1 Precautions for safe handling

- Eyewash bottles should be available
- Restricted to professional users

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep container tightly closed.

### 7.3 Specific end use(s)

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## **8 Exposure controls/personal protection**

### 8.1 Control parameters

- Potassium permanganate  
WEL (long term) 5 mg/m<sup>3</sup>

### 8.2 Exposure controls

- No special precautions are required for this product

#### Occupational exposure controls

- Wear plastic or rubber gloves
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## 8 Exposure controls/personal protection (....)



Goggles

Gloves

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Tablets, violet, partly soluble in water
- pH 9 at 25 % concentration
- Boiling point 1413 °C at 760 mm /Hg
- Partially soluble in water
- Density 1.991 g/cm<sup>3</sup>

### 9.2 Other information

- No information available
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## 10 Stability and reactivity

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- This article is considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Avoid contact with acid
- Avoid contact with metals
- Avoid overheating

### 10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acid

### 10.6 Hazardous Decomposition Products

- See Section 5
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## 11 Toxicological information

### 11.1 Information on toxicological effects

- LD50 (oral, rat) 750 mg/kg
- LDLo (human) 100 mg/kg

#### Inhalation

- Not applicable
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## 11 Toxicological information (....)

Contact with skin

- May cause irritation

Contact with eyes

- Causes redness and irritation

Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- No evidence of mutagenic effects
- 

## 12 Ecological information

### 12.1 Toxicity

- This product contains components which are classified in the EU as dangerous for the environment.
- EC50 (Daphnia magna) 0,056 mg/l (48 hr)
- LC50 (fish) 0,348 mg/l (96 hr)

### 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

- No information available

### 12.4 Mobility in soil

- Partially soluble in water.

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12.6 Other Adverse Effects

- Water Hazard Class 2 (Germany) (Official)
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## 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

Classification

- EU Waste class: 16-05-07
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## 14 Transport information

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**14 Transport information (....)**

14.1 UN Number

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14.2 UN Proper Shipping Name

- -

14.3 Transport hazard class(es)

- -

14.4 Packing group

- -

14.5 Environmental hazards

- Toxic to aquatic life with long lasting effects.

14.6 Special precautions for user

- Not classified as hazardous for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

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**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 Dangerous Substances Directive (67/548/EEC)
- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This substance is covered by Gefährliche-Stoffe-Verordnung as amended
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- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

15.2 Chemical Safety Assessment

NONE

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**16 Other information**

Text of R and S phrase codes used in this safety data sheet:- H272: May intensify fire; oxidizer.; H302: Harmful if swallowed.; H400: Very toxic to aquatic life.; H410: Very toxic to aquatic life with long lasting effects.; R22: Harmful if swallowed; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; 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 knowledge of the individual constituents

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**16 Other information (....)**

The most up-to-date version of this MSDS can be found on [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

**OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES**

For addresses of other Wilhelmsen Ships Service offices, please refer to [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

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