



Revision: 22 May 2013

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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Datasheet Number: 778646
- Product Name: COPPER NO 1 TABLETS
- Product Part Number: 778646

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

- Reagent for water analysis

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

##### 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

-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

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\*\***

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### SECTION 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- Not classified as hazardous for users

#### 2.2 Label elements

- Not applicable

#### 2.3 Other hazards

- Not applicable
- Appearance: Tablets, colourless to yellow
- Odour: Odourless

**SECTION 3 Composition/information on ingredients**

## 3.1 Mixtures

- Trometamol  
Concentration: 2.5-5%  
CAS Number: 77-86-1  
EC Number: 201-064-4  
Symbols: Xi  
R/H Phrases: R36/38  
Categories: Not applicable
  - 2,2'-bichinolin-4,4'-dicarbon acid dipotassium trihydrate p.a. 95%  
Concentration: <2.5%  
CAS Number: 63451-34-3  
EC Number: 264-196-1  
Symbols: Xi  
R/H Phrases: R36/37/38  
Categories: Not applicable
- 

**SECTION 4 First aid measures**

## 4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- If eye irritation persists: Get medical advice/attention (P337+P313).
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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).
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- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- If skin irritation occurs: Get medical advice/attention (P332+P313).
- 
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Seek medical advice if necessary

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

- In cases of severe exposure, irritation may develop
- The ingestion of significant quantities may cause cyanosis

## 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

- In case of fire, do not breathe fumes
- Carbon oxides may be formed
- dipotassium oxide
- Nitrogen oxides may be formed

## 5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus

## 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

- Remove by mechanical means

### 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

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

- Keep in a cool, dry, well ventilated place

### 7.3 Specific end use(s)

- Not applicable
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## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- Not applicable

### 8.2 Exposure controls

- Ensure adequate ventilation
- No special precautions are required for this product

### 8.3 Occupational exposure controls

- Eyewash bottles should be available
- Penetration time of glove material:  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Wear rubber gloves
- Wear goggles giving complete eye protection



Gloves

Goggles

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Tablets, colourless to yellow
- Odour: Odourless
- pH: 6.1 at 20C
- soluble in water

### 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 Chemical stability

- Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

## 10.4 Incompatible materials

- Incompatible with oxidizing substances

## 10.5 Conditions to avoid

- Avoid overheating

## 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
  - Decomposition products may include carbon oxides
  - Decomposition products may include nitrogen oxides
  - dipotassium oxide
- 

**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- No experimental data available

## 11.2 Contact with eyes

- May cause redness and irritation

## 11.3 Contact with skin

- Not applicable

## 11.4 Ingestion

- Not applicable

## 11.5 Inhalation

- Not applicable
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**SECTION 12 Ecological information**

## 12.1 Toxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

## 12.2 Persistence and degradability

- No information available

## 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

## 12.6 Other Adverse Effects

- No information available
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**SECTION 13 Disposal considerations**

**SECTION 13 Disposal considerations (....)**

## 13.1 Waste treatment methods

- Disposal should be in accordance with manufacturer's instructions
- Dispose of contents/container to an authorised waste collection point (P501)

## 13.2 Classification

- EU Waste class: 16-05-09
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**SECTION 14 Transport information**

Not classified as hazardous for transport

## 14.1 UN

- Not applicable

## 14.2 Proper Shipping Name

- Not applicable

## 14.3 Packing group

- Not applicable

## 14.4 Environmental hazards

- Not Classified

## 14.5 Special precautions for user

- Not Classified

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

- Not Classified
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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

## 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:-  
R36/37/38: Irritating to eyes, respiratory system and skin. R36/38: Irritating to eyes and skin.

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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**SECTION 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**

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Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

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Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

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