

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name: **CONDUCTIVITY NEUTRALISING SOLUTION**  
 Datasheet Number: **568691-r 1. 0. 0**  
 Product Part Number: **568691**  
 Head Office:: **Wilhelmsen Ships Service AS**  
 Address: **Strandveien 20, N1324 Lysaker, Norway, Tel:+47 67 584550**

#### 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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Harmful if swallowed (R22)

#### 2.2 Label elements



Harmful

- Contains:
- CAS: 111-46-6 - CAS: 64-19-7

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### 2 Hazards identification (....)

#### Risk Phrases

- Harmful if swallowed (R22)

#### Safety Phrases

- Do not breathe spray/mists (S23)
- Wear suitable protective clothing (S36)
- This material and its container must be disposed of as hazardous waste (S60)

#### 2.3 Other hazards

- Odour: Characteristic odour
- Appearance: Liquid, colourless, soluble in water
- Contact with eyes: Causes redness and irritation
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

### 3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
2.2-oxybisethanol	70-80	111-46-6	203-872-2	22	Xn
acetic acid	5-10	64-19-7	200-580-7	10, 35	C

\*See Section 16

### 4 First aid measures

#### 4.1 Description of first aid measures

- 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.
- Obtain immediate medical attention
- 
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- Get medical advice/attention.
- 
- IF INHALED: If breathing is difficult, remove 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

- The ingestion of significant quantities may cause damage to liver
- The ingestion of significant quantities may cause damage to kidneys

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

### 5 Fire-fighting measures

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

#### 5.1 Extinguishing media

- In case of fire use water, alcohol resistant foam, carbon dioxide or dry agent (S43)

#### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic
- May form explosive vapour/air mixtures

#### 5.3 Advice for firefighters

- Substance evolves toxic fumes, wear self-contained breathing apparatus
- 

### 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

- None
- 

### 7 Handling and storage

#### 7.1 Precautions for safe handling

- Avoid contact with skin and eyes (S24/25)
- Wear protective clothing as per section 8
- Eyewash bottles should be available
- Keep away from heat and sources of ignition

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

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Keep container tightly closed (S7)

#### 7.3 Specific end use(s)

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### 8 Exposure controls/personal protection

#### 8.1 Control parameters

- TLV (TWA) 101 mg/m<sup>3</sup> (2,2-oxybisethanol)
- TLV (TWA) 10 ppm, 25 mg/m<sup>3</sup> (Acetic acid)

#### 8.2 Exposure controls

- No special precautions are required for this product

##### Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
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## 8 Exposure controls/personal protection (....)



Goggles



Gloves



Suit



No Smoking

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Characteristic odour
- Appearance: Liquid, colourless, soluble in water
- pH 3 at 100 % concentration
- Boiling point 118 °C at 760 mm /Hg
- Vapour pressure <100 Pa
- Vapour density (air = 1) >1
- Freezing point unknown
- Completely soluble in water
- Specific gravity - not known
- Flash point - not known
- Log Pow -1.98 (oxybisethanol)

### 9.2 Other information

- None

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## 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 Conditions to avoid

- Avoid overheating

### 10.5 Incompatible materials

- None

### 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known

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## 11 Toxicological information

### 11.1 Information on toxicological effects

- No information available but must be considered harmful

#### Inhalation

- Causes irritation

## **11 Toxicological information (....)**

Contact with skin

- May cause redness and irritation

Contact with eyes

- Causes irritation

Ingestion

- By comparison with analogous substances, it is concluded that it will be harmful
- The ingestion of significant quantities may cause damage to liver
- Can cause damage to the kidneys

Carcinogenicity

- No evidence of carcinogenic effects
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## **12 Ecological information**

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- The components in this product are readily 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

12.6 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**

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

Classification

- EU Waste class: 16 05 06
  - This material and/or its container must be disposed of as hazardous waste
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## **14 Transport information**

14.1 UN Number

- n/a

14.2 UN Proper Shipping Name

- n/a
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### 14 Transport information (....)

#### 14.3 Transport hazard class(es)

- n/a

#### 14.4 Packing group

- n/a

#### 14.5 Environmental hazards

- Presents no hazard to the environment

#### 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 has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous 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:- R10: Flammable; R22: Harmful if swallowed; R35: Causes severe burns.

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

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)

Wilhelmsen Ships Service Level 1, 39 Park Street South Melbourne, Vic 3205 Australian Tel:+61 3 9630 0900  
Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone  
daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

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### 16 Other information (....)

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