
SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking**1.1 Product identifier**

- Product Name: BRINE CORROSION INHIBITOR
- Product Part Number: 777044 (25L Plastic drum)

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

- Use of the substance/preparation:
- Water treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier:

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

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonssentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

****FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES******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)
- Symbols: Xi
- Irritating to eyes and skin (R36/38)
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Symbols: GHS08, GHS07
- Signal Word: Danger

SECTION 2 Hazards identification (....)

- Repr. 1B
- Skin Irrit. 2
- Eye Irrit. 2
- May damage fertility or the unborn child (H360)
- Causes skin irritation (H315).
- Causes serious eye irritation (H319).
-
- SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57: Sodiumtetraborate

2.2 Label elements

- Signal Word: Danger
- Repr. 1B
- Skin Irrit. 2
- Eye Irrit. 2
-
- Contains:
- Sodium Hydroxide - Sodiumtetraborate
-
- Hazard phrases
 - May damage fertility or the unborn child (H360)
 - Causes skin irritation (H315).
 - Causes serious eye irritation (H319).
- Precautionary Phrases
 - Obtain special instructions before use (P201).
 - Do not handle until all safety precautions have been read and understood (P202).
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF exposed or concerned: Get medical advice/attention (P308+P313).
 - 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).
 - Store locked up (P405).

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Odour: Odourless
- Appearance: colourless to yellow

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

- sodium hydroxide
 - Concentration: 0,5-2%
 - CAS Number: 1310-73-2
 - EC Number: 215-185-5
 - Symbols: C, GHS05
 - R/H Phrases: R35 - H314, H290
 - Categories: Skin Corr. 1B, Met. Corr. 1
 - REACH REG. NO: 01-21194578 92-27-xxx
- Sodiumtetraborate
 - Concentration: 1-5%
 - CAS Number: 1330-43-4

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

EC Number: 215-540-4
Symbols: T - GHS08, GHS07
R/H Phrases: R62, 63
Categories: Repr. 1B, Eye Irrit. 2

SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
-
- 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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
-
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Possible redness and irritation of affected areas
- The ingestion of significant quantities may cause damage to stomach lining
- The ingestion of significant quantities may cause damage to mucous membranes

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

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

- Smoke from fires is irritating

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

- Avoid release to the environment (P273).
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
 - Place in sealable container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Ventilate the area and wash spill site after material pick-up is complete
-

SECTION 6 Accidental release measures (....)

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not get in eyes, on skin, or on clothing (P262).
- Eyewash bottles should be available
- Proper chemicals handling procedures should be adopted

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep away from acid (S14)

7.3 Specific end use(s)

- Contact supplier for further information
-

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- sodium hydroxide
WEL (short term) 2 mg/m³

8.2 Exposure controls

- Ensure adequate ventilation

8.3 Occupational exposure controls



- Wear suitable dustmask e.g. to BS 2091
 - Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: colourless to yellow, miscible with water
- pH 11,5 - 14
- Boiling point 100 °C to 760 °C
- Density 1,155 - 1,190 g/cm³ at 20 deg C

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 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.3 Incompatible materials

- Not applicable
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SECTION 10 Stability and reactivity (....)

10.4 Conditions to avoid

- Avoid overheating

10.5 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (96 hours)(Sodiumtetraborate) 4500-5000 mg/kg
- LD50 (oral,rat) (Sodiumhydroxide) 140-340 mg/kg

11.2 Contact with eyes

- Can cause damage to the eyes
- May cause burning sensation
- Causes severe irritation

11.3 Contact with skin

- Causes severe irritation

11.4 Ingestion

- The ingestion of significant quantities may cause damage to mucous membranes
- The ingestion of significant quantities may cause damage to stomach lining

11.5 Inhalation

- Mildly irritating to respiratory system
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Sodiumhydroxide) 45,4 mg/l (96 hr)
- EC50 (daphnia) (Sodiumhydroxide) 40,4 mg/l (48 hr)
- LC50 (fish) (Sodiumtetraborate) 650 mg/l (96 hr)
- EC50 (daphnia) (Sodiumtetraborate) 2130 mg/l (48 hr)

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- No information available

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

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 (P501)

13.2 Classification

- EU Waste class: 06 02 04

SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not classified as hazardous for transport

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
- ADR Flashpoint: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG subrisk: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable
- IMDG Flashpoint: Not applicable

14.7 Air (ICAO/IATA)

- ICAO Un No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Packing Group: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO subrisk: Not applicable
- ICAO Flashpoint: 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
 - Hazardous Material: Not applicable
 - Hazard Class: Not applicable
 - DOT subrisk: Not applicable
 - DOT Flashpoint: 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.
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SECTION 15 Regulatory information (....)

- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
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- Norwegian Productregistration no: 308500
-
- SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57: CAS: 1330-43-4 - Sodiumtetraborate.

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:- H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. R35: Causes severe burns. R62: Possible risk of impaired fertility.

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

SECTION 16 Other information (....)

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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