
SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: SODIUM BICARBONATE POTABLE
Datasheet Number: 773416-r 1. 0. 0
Product Part Number: 909003 (Potable water grade)
Synonyms: Sodium hydrogen carbonate
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway, Tel: (+47) 67584550

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

Water treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Wilhelmsen Ships Service AS
Address of Supplier: Willem Barentszstraat 50
3165AB Rotterdam
+31 4877 888
The Netherlands
Telephone: +31 4877 777
Fax:
Responsible Person: Patrick.Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
Email: Patrick.Rijsdijk@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

- Not classified as hazardous for users

2.2 Label elements

- Contains:

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable

2.3 Other hazards

- Odour: Odourless
- Appearance: powder, white, soluble in water

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2 Hazards identification (....)

- Contact with eyes: Prolonged exposure may cause abrasive irritation of the eyes and skin
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Prolonged exposure may cause abrasive irritation of the mucous membranes
- Ingestion: Not regarded as a potential route of exposure., In cases of severe exposure, nausea/vomiting may develop

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases	Symbols
sodium bicarbonate	>90%	144-55-8	205-633-8	-	-

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- When in doubt or symptoms persist, seek medical attention
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- 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

- In cases of severe exposure, irritation may develop
- Possible irritation of affected areas

4.3 Indication of immediate medical attention and special treatment needed

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. Take precautions to protect personnel from exposure

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
- Avoid raising dust

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 Methods and material for containment and cleaning up

- Collect spillage.

6.4 Reference to other sections

- None
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7 Handling and storage

7.1 Precautions for safe handling

- The usual precautions for handling chemicals should be observed
- Use good personal hygiene practices

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Do not store above 50 °C
- Avoid contact with acid

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this substance

8.2 Exposure controls

- No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

- Ensure adequate ventilation
- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask



Goggles



Gloves



Suit



Respirator

9 Physical and chemical properties

SODIUM BICARBONATE POTABLE

9 Physical and chemical properties (....)

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: powder, white, soluble in water
- pH 8 - 8,6 at 1 % concentration
- Water solubility 96 g/l
- Density 2,2 g/cm³ at 20 deg C
- Non-combustible solid
- decomposes @ 60 °C

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

- 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

10.5 Incompatible materials

- Incompatible with acid

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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11 Toxicological information

11.1 Information on toxicological effects

- (sodium bicarbonate)
- LD50 (oral, mouse) 4220 mg/kg

Inhalation

- May cause irritation

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- Causes redness and irritation
- May cause pain

Ingestion

- No effects for small dosage. Large dose effects not known
 - The ingestion of significant quantities may cause gastro-intestinal disturbances
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11 Toxicological information (....)

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

12.1 Toxicity

- Presents little or no hazard to the aquatic environment
- EC50 (Daphnia magna) >2000 mg/l (48 hr)
- LC50 (fish) >7000 mg/l (96 hr)

12.2 Persistence and degradability

- Degrades by hydrolysis

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

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

- Presents little or no hazard to 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: -
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14 Transport information

14.1 UN Number

- n/a

14.2 UN Proper Shipping Name

- n/a

14.3 Transport hazard class(es)

- n/a

14.4 Packing group

- n/a

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Not classified as hazardous for transport
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14 Transport information (....)

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

- Not applicable

Other information

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.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This product is not classified as hazardous according to Directive 1999/45/EEC
- Not hazardous according to current The Dangerous Substances Directive (67/548/EEC)

15.2 Chemical Safety Assessment

None

16 Other information

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

Wilhelmsen Ships Service Level 1, 39 Park Street South Melbourne, Vic 3205 Australian Tel: +61 3 9630 0900
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16 Other information (....)

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The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

