

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: SILICA NO 1
Datasheet Number: 729558-Part1 1. 0. 1
Product Part Number: 729558
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

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Eye Dam. 1
- Repr. 1B
- May damage fertility or the unborn child.
- Causes serious eye damage.
-
- This substance is covered by The Dangerous Substances Directive (67/548/EEC) as amended
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- May impair fertility (R60)
- May cause harm to the unborn child (R61)
- Risk of serious damage to eyes (R41)

2 Hazards identification (....)

2.2 Label elements



- Signal Word: Danger
- Contains:
- sodium bisulfate - Boric Acid

Hazard phrases

- May damage fertility or the unborn child.
- Causes serious eye damage.

Precautionary Phrases

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.
- IF exposed or concerned: Get medical advice/attention.
- Store locked up.
- Dispose of contents/container to an authorised waste collection point

Risk Phrases

- Risk of serious damage to eyes (R41)
- May impair fertility (R60)
- May cause harm to the unborn child (R61)

2.3 Other hazards

- Odour: Odourless
- Appearance: white, Tablets
- Contact with skin: Causes irritation
- Inhalation: Prolonged exposure may cause abrasive irritation of the mucous membranes
- Ingestion: The ingestion of significant quantities may cause damage to mucous membranes

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Boric acid Repr. Cat.2	40-50	10043-35-3	233-139-2	R60, 61	T,
CLP Classification: Repr. 1B				H360	GHS08
Sodium bisulfate	25-35%	7681-38-1	231-665-7	R41	Xi
CLP Classification: Eye Dam. 1				H318	GHS05

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
- Seek medical attention if irritation persists
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek immediate medical attention
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- When in doubt or symptoms persist, seek medical 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

- In cases of severe exposure, redness and irritation may develop
- Can cause damage to the eyes, skin and mucous membranes

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

- Decomposition products may include sulphur oxides
- Decomposition products may include nitrogen oxides

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure 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

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means
- Ventilate area

6.4 Reference to other sections

- None
-

7 Handling and storage

7.1 Precautions for safe handling

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation
- Eyewash bottles should be available
- Handle and open container with care (S18)

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place away from heat (S3/9/14/49)
- Keep away from metals (S14)
- Protect from sunlight.
- Store locked up.

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear nitrile gloves
- Wear goggles giving complete eye protection



Gloves



Goggles



Respirator

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: white, Tablets
- pH 1.9 at 20C
- Completely soluble in water
- Density 2.039 g/cm³

9.2 Other information

- None
-

10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions
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10 Stability and reactivity (....)

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
- Avoid contact with metals
- Avoid contact with alkalis (strong bases)
- Avoid contact with reducing agents
- Keep away from strong oxidizing substances(S14)

10.5 Incompatible materials

- Incompatible with alkalis (strong bases)
- Incompatible with alkali metals
- Incompatible with reducing agents
- Incompatible with oxidizing substances

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Boric acid)-2660 mg/kg
- LD50 (dermal) : (Boric acid) rat->2000 mg/kg

Inhalation

- Can cause damage to the mucous membranes
- May cause coughing
- Causes breathing difficulty

Contact with skin

- May cause redness and irritation

Contact with eyes

- Can cause damage to the eyes

Ingestion

- In cases of severe exposure, ataxia may develop
- In cases of severe exposure, diarrhoea may develop
- In cases of severe exposure, gastro-intestinal disturbances may develop
- Can cause damage to the kidneys
- Can cause damage to the liver

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects
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11 Toxicological information (....)

Mutagenicity

- No evidence of reproductive effects
-

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

12.6 Other Adverse Effects

13 Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

Classification

- EU Waste class: 16-05-07
 - 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

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

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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57:
Boric acid
-
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- 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.

15.2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H318: Causes serious eye damage.; H360: May damage fertility or the unborn child.; R41: Risk of serious damage to eyes; R60: May impair fertility; R61: May cause harm to the unborn child.

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

The most up-to-date version of this MSDS can be found on 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

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16 Other information (....)

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