

## SAFETY DATA SHEET

Aquatiq<sup>®</sup>  
CHEMISTRY

## AQUA FOAM SMOKEOVEN

Aquatiq<sup>®</sup>  
CHEMISTRY

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**SECTION 1: Identification of the substance / mixture and of the company / undertaking**

Date issued 03.12.2002

Revision date 18.06.2019

**1.1. Product identifier**

Product name AQUA FOAM SMOKEOVEN

Article no. H402

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

Use of the substance / preparation Liquid, strong alkaline detergent for the food industry.

Use of chemical, comments For industrial and professional use only.

**1.3. Details of the supplier of the safety data sheet****Distributor**

Company name Aquatiq Chemistry AS

Office address Hovemovegen 1

Postcode 2624

City Lillehammer

Country Norway

Telephone number 0047 61 24 70 10

Fax 0047 61 24 70 11

Email [chemistry@aquatiq.com](mailto:chemistry@aquatiq.com)Website <http://www.aquatiq.com>

Enterprise No. 983 515 827

Contact person Heidi Videhi Røsdal

**1.4. Emergency telephone number**Emergency telephone Telephone number: +47 22 59 13 00 (24-hours)  
Description: Giftinformasjonen

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318
Substance / mixture hazardous properties	May be corrosive to metals. Causes severe skin burns and eye damage.

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Sodium hydroxide
Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical advice / attention if you feel unwell. P406 Store in a corrosion-resistant / container with a resistant inner liner. P501 Dispose of contents / container to an approved waste depot.
Detergents	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents < 5 %, EDTA, non-ionic surfactants.

### 2.3. Other hazards

PBT / vPvB	PBT/vPvB assessment has not been performed.
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## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents
Sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 REACH Reg. No.: 01-2119457892-27	Met. Corr. 1; H290 Skin Corr. 1A; H314	15 -30 %
Tetrasodium	CAS No.: 64-02-8	Acute tox. 4; H302,H332	1 < 3 %

ethylenediaminetetraacetate	EC No.: 200-573-9 REACH Reg. No.: 01-2119486762-27	Eye Dam. 1; H318 STOT RE 2; H373	
Nonionic surfactant	CAS No.: 68515-73-1	Eye Dam. 1; H318	1 -5 %
Substance comments	The full text for all hazard statements is displayed in section 16.		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4. In case of unconsciousness or severe accidents, call 112. Remove/Take off immediately all contaminated clothing.
Inhalation	Remove victim immediately from source of exposure. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing and launder thoroughly before re-use. Flush skin thoroughly with water. Continue to rinse for at least 15 minutes. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.
Ingestion	Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do NOT induce vomiting.

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

Acute symptoms and effects	Causes severe skin burns and eye damage.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Other information	Treat symptomatically. No specific information from the manufacturer.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	CO2, powder or water mist. Larger fires: water mist or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

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

Fire and explosion hazards	The product is non-combustible. If heated, corrosive vapours may be formed.
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### 5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water. Fire residues and contaminated extinguishing water must be collected and disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Wear protective clothing as described in Section 8 of this safety data sheet. Keep public away from danger area.
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### 6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil. Contact local authorities in case of spillage to drain/aquatic environment.
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### 6.3. Methods and material for containment and cleaning up

Clean up	Absorb with inert, damp, non-combustible material, then flush area with water. Collect and reclaim or dispose in sealed containers in licensed waste.
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### 6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Use personal protective equipment as indicated in section 8. Provide good ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours.
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### Protective safety measures

Advice on general occupational hygiene	Do not eat, drink or smoke during work. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Corrosive storage. Keep only in original container. Keep container tightly closed. Store above freezing.
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### 7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
Sodium hydroxide	CAS No.: 1310-73-2	<b>Peak limitation value</b> Peak limitation value: 2 mg/ m <sup>3</sup>	

### 8.2. Exposure controls

## Precautionary measures to prevent exposure

Appropriate engineering controls	<p>Well-ventilated area.</p> <p>All personal protective equipment must be CE-marked and tested according to the relevant CEN-standard. Protective equipment should be selected in cooperation with the supplier of such equipment. The recommended protective equipment and the specified standards are indicative. The latest standard versions should be taken into consideration.</p> <p>Risk assessment of the actual workplace/operation (actual risk) may lead to other protective measures.</p> <p>Emergency shower and a possibility of eye rinsing must be available in the workplace.</p>
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## Eye / face protection

Suitable eye protection	Wear tight-fitting goggles or face shield.
Eye protection equipment	Reference to relevant standard: EN 166:2001 Personal eye-protection - Specifications.

## Hand protection

Suitable gloves type	Use suitable protective gloves if risk of skin contact.
Suitable materials	Nitrile. Butyl rubber.
Breakthrough time	Comments: Not specified by the manufacturer.
Thickness of glove material	Value: >0,4 mm.
Hand protection equipment	Reference to relevant standard: EN ISO 374:2016 Protective gloves against dangerous chemicals and micro-organisms.
Additional hand protection measures	Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

## Skin protection

Suitable protective clothing	Wear appropriate clothing to prevent reasonably probable skin contact.
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## Respiratory protection

Respiratory protection necessary at	Under normal conditions of use respiration protection should not be required.
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## Hygiene / environmental

Specific hygiene measures	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.
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## Appropriate environmental exposure control

Environmental exposure controls	Avoid release to sewer, waterways or ground.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Brown.
Odour	Slight odour.
Odour limit	Comments: No data recorded.
pH	Status: In delivery state Value: 12,3 Temperature: 20 °C Concentration: 10 g/l
Melting point / melting range	Comments: No data recorded.
Boiling point / boiling range	Value: > 100 °C
Flash point	Comments: No data recorded.
Evaporation rate	Comments: No data recorded.
Flammability (solid, gas)	Not relevant.
Explosion limit	Comments: No data available.
Vapour pressure	Comments: No data recorded.
Vapour density	Comments: No data recorded.
Relative density	Value: 1,28 Temperature: 20 °C
Solubility	Medium: Water Comments: Miscible with water.
Partition coefficient: n-octanol/ water	Comments: No data recorded.
Spontaneous combustability	Comments: Product is not selfigniting.
Decomposition temperature	Comments: No data recorded.
Viscosity	Comments: No data available.
Explosive properties	Not explosive.
Oxidising properties	No data recorded.

## 9.2. Other information

Crystallisation point	Value: < -10 °C
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## Other physical and chemical properties

Physical and chemical properties	No further information is available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Reactive with the materials listed in Section 10.5.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Eksoterm reaksjon med: Acids.
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### 10.4. Conditions to avoid

Conditions to avoid	No data recorded.
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### 10.5. Incompatible materials

Materials to avoid	No data recorded.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance	Sodium hydroxide
Acute toxicity	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> 2000 mg/kg <b>Animal test species:</b> Rat

### Other information regarding health hazards

Assessment of acute toxicity, classification	The classification criteria are not met based on the available data.
Assessment of skin corrosion / irritation, classification	Causes severe skin burns.
Assessment of eye damage or irritation, classification	Causes severe eye damage.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ SE, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity RE, classification	Based on available data, the classification criteria are not met.

Assessment of aspiration hazard, classification Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity Not classified as dangerous to the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

### 12.2. Persistence and degradability

Chemical oxygen demand (COD) Value: 90 g/kg

Persistence and degradability, comments There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility The product is miscible with water. May spread in water systems.

### 12.5. Results of PBT and vPvB assessment

PBT assessment results PBT assessment is not carried out.

vPvB evaluation results vPvB assessment is not carried out.

### 12.6. Other adverse effects

Other adverse effects, comments Do not allow to enter into sewer, water system or soil.  
Alkalies cause increased pH values in the water. A high pH value harms aquatic organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.

EWC waste code EWC waste code: 070699 wastes not otherwise specified  
Classified as hazardous waste: Yes

EWL packing EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances  
Classified as hazardous waste: Yes

National regulations FOR-2004-06-01-930: Norwegian Regulations on the Waste Recycling and Treatment (Waste Regulations), Chapter 11. Hazardous waste, Annex I. European waste codes list (EWC).



## SECTION 14: Transport information

Dangerous goods Yes

### 14.1. UN number

ADR / RID / ADN 1824

IMDG 1824

ICAO / IATA 1824

### 14.2. UN proper shipping name

Proper shipping name english ADR / RID / ADN SODIUM HYDROXIDE SOLUTION

ADR / RID / ADN SODIUM HYDROXIDE SOLUTION

IMDG SODIUM HYDROXIDE SOLUTION

ICAO / IATA SODIUM HYDROXIDE SOLUTION

### 14.3. Transport hazard class(es)

ADR / RID / ADN 8

Classification code ADR / RID / ADN C5

IMDG 8

ICAO / IATA 8

### 14.4. Packing group

ADR / RID / ADN II

IMDG II

ICAO / IATA II

### 14.5. Environmental hazards

IMDG Marine pollutant No

### 14.6. Special precautions for user

Special safety precautions for user Not relevant.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Product name SODIUM HYDROXIDE SOLUTION

Pollution category No data recorded.

### Additional information

ADR / RID / ADN hazard label 8

IMDG Hazard label 8

ICAO / IATA Hazard label	8
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### ADR / RID - Other information

Tunnel restriction code	E
Transport category	2
Hazard No.	80

### IMDG / ICAO / IATA Other information

EmS	F-A, S-B
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Restriction of chemicals according to Annex XVII (REACH)	Include chemical(s) which restrictions according to post 3.
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Detergents	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents < 5 %, EDTA, non-ionic surfactants.
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References (laws/regulations)	<p>FOR-2012-06-16-622: Norwegian Regulations on the classification and labeling of substances and mixtures (CLP).</p> <p>FOR 2008-05-30-516: Norwegian Regulation on the registration, evaluation, authorization, and restriction of chemicals (REACH).</p> <p>FOR-2012-06-16-623: Norwegian Regulations amending Regulations on the classification, labeling, etc. of hazardous chemicals.</p> <p>FOR-2015-05-19-541: Norwegian Regulations on the declaration of chemicals in the product register (declaration regulation).</p> <p>COMMISSION REGULATION (EU) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p> <p>FOR 2009-04-01-384: Norwegian Regulations for land transport of dangerous goods (land transport regulations). ADR/RID.</p> <p>FOR 2006-06-29-786: Norwegian Regulations for transport of dangerous goods on cargo ships and barges. IMDG.</p> <p>FOR 2003-01-11-41: Norwegian Regulations for the transport of goods by aircraft (BSL D 1-7). IATA.</p> <p>FOR 2011-12-06-1357: Norwegian Regulations for the performance of work, with subsequent changes.</p> <p>FOR-2011-12-06-1358: Norwegian Regulation on action values and limit values for physical and chemical factors in the working environment and contagious groups for biological factors.</p> <p>Classification and labeling inventory: <a href="http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database">http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database</a>.</p>
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Declaration No.	18606
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### 15.2. Chemical safety assessment

Chemical safety assessment performed

No

## SECTION 16: Other information

Supplier's notes	Information in this document should be available to everyone who handles the product.
List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure
Key literature references and sources for data	Safety data sheet from leverandør, dated: 11.06.2019.
Information added, deleted or revised	Changes in section: Alle. Date: 18.06.2019. Responsible: a105782.
Checking quality of information	This Safety Data Sheet has been quality checked by Bilfinger Industrial Services Norway AS, who has a NS-EN ISO 9001 certificate.
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