

# Safety data sheet

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

### 1.1. Product identifier

Trade name: pH-Minus

Substance name: sodium hydrogensulphate

Registration number: -

EC Number: 231-665-7

CAS No.: 7681-38-1

Index number: 016-046-00-X

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

Recommended uses: pH-regulating agents.

### 1.3. Details of the supplier of the safety data sheet

Supplier: Swim & Fun Scandinavia ApS  
Fagerholtvej 12  
4050 Skibby  
Denmark

Tel: +45 70226856  
Fax: +45 70226859  
Email: cl@swim-fun.dk

### 1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

DSD-classification (Directive 67/548/EEC): Xi;R41

CLP-classification (Regulation (EC) No 1272/2008): Eye Dam. 1;H318

*Please see section 16 for the full text of R-phrases and H-phrases.*

Most serious harmful effects: Causes serious eye damage.

### 2.2. Label elements



Signal word: Danger

Contains: Sodium hydrogensulphate (EC No. 231-665-7 )

H-phrases: Causes serious eye damage.(H318)  
Keep out of reach of children.(P102)

P-phrases:

Wear protective gloves/protective clothing/eye protection/face protection.(P280)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305/351/338)  
Immediately call a POISON CENTER/doctor.(P310-A)

Supplemental information: None.

### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Registration number	CAS/EC Number	Substance	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	7681-38-1-B	Sodium hydrogensulphate	Xi;R41	100	.
.	231-665-7	.	Eye Dam. 1;H318	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eyes:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
Other information:	When obtaining medical advice, show the safety data sheet or label.

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

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

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

Treat symptoms. No special immediate treatment required. Ensure that medical personnel are aware of the material involved, and take precautions to protect themselves.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

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

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air. The product decomposes when combusted and the following toxic gases can be formed: Sulphur oxides.

### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

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## SECTION 6: Accidental release measures

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

For non-emergency personnel:	Stay upwind/keep distance from source. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Wear safety goggles.
For emergency responders:	In addition to the above: Chemical protective suit equivalent to EN 943-2 is recommended.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Wipe up minor spills with a damp cloth.

### 6.4. Reference to other sections

See section 13 for instructions on disposal. See section 8 for type of protective equipment.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Storage temperature: 5-30 °C.

### 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
Dust (inhalable)	10 mg/m <sup>3</sup> (8h)	
Dust (respirable)	4 mg/m <sup>3</sup> (8h)	

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended. Type of material and thickness: Butyl rubber 0,5 mm/ Nitrile rubber 0,35 mm. Penetration time: >8 hours. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: P. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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

State: Granulate  
Colour: Yellowish  
Odour: Odourless  
Odour threshold: No data  
pH (solution for use): pH (200 g/l, 20 °C): 1,0-1,2  
pH (concentrate): No data  
Melting point/freezing point: 180 °C  
Initial boiling point and boiling range: No data  
Flash point: No data  
Evaporation rate: No data  
Flammability (solid, gas): Not flammable  
Upper/lower flammability limits: No data  
Upper/lower explosive limits: No data  
Vapour pressure: No data  
Vapour density: No data  
Relative density: 1,8  
Solubility: Solubility in water: 1,08 g/l (20 °C)

Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	Not spontaneously flammable
Decomposition temperature:	>300 °C
Viscosity:	No data
Explosive properties:	Non-explosive
Oxidising properties:	No data

## 9.2. Other information

Bulk density: 1,400 - 1,450 kg/m<sup>3</sup>. (20 °C)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Strong alkalis/ Strong oxidisers. Reacts with metals to form hydrogen gas which may produce explosive hydrogen/air mixtures.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong alkalis/ Strong oxidisers/ Metals.

### 10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Sulphur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.  7681-38-1-B: Rat: LD50 = 2490 mg/kg
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	May cause severe burns, pain, tearing and cramp of the eyelids. Risk of serious damage to eyes and loss of vision.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity:

7681-38-1-B:  
Crustacea: Daphnia magna: 48hEC50 = 149 mg/l

### 12.2. Persistence and degradability

Expected to be biodegradable.

### 12.3. Bioaccumulative potential

Test data are not available.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

No assessment has been made.

### 12.6. Other adverse effects

The product affects the pH value of the local aquatic environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 05 07 discarded inorganic chemicals consisting of or containing dangerous substances

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## SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

### 14.1. UN number

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### 14.2. UN proper shipping name

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### 14.3. Transport hazard class(es)

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### 14.4. Packing group

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### 14.5. Environmental hazards

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### 14.6. Special precautions for user

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### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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## SECTION 15: Regulatory information

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

Special provisions:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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## SECTION 16: Other information

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

R-phrases:

R41 Risk of serious damage to eyes.

H-phrases:

H318 Causes serious eye damage.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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JRO/ Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web: www.hse.bureauveritas.dk (Made in Toxido®) UK