

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

### 1.1. Product identifier

<b>Name of product</b>	SpaTime pH-MINUS / pH Moins 900105
<b>Name of substance</b>	sodium-hydrogensulphate
<b>Index No</b>	016-046-00-X
<b>EC No</b>	231-665-7
<b>CAS No</b>	7681-38-1

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

#### Recommended intended purpose(s)

pH regulator for swimming pool water

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

<b>Manufacturer/distributor</b>	BAYROL Deutschland GmbH Robert-Koch-Str. 4, D-82152 Planegg Phone +49 (0) 89 85701-0, Fax +49 (0) 89 85701-276 E-Mail bayrol@bayrol.de Internet www.bayrol.de
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### Advice

E-mail (competent person):  
ASchwarzenboeck@bayrol.de

### 1.4. Emergency telephone number

<b>Emergency advice</b>	Giftnotruf München (oder jedes andere Giftinformationszentrum) Phone +49 (0) 89 19240
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

Xi; R41

#### R-phrases

41 Risk of serious damage to eyes.

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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<b>Eye Dam. 1</b>	<b>H318</b>
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#### Hazard Statements

H318 Causes serious eye damage.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS05

**Signal word**

Danger

**Hazard Statements**

H318 Causes serious eye damage.

**Precautionary Statements**

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazardous ingredients for labeling**

sodium-hydrogensulphate

**2.3. Other hazards****Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**SECTION 3: Composition/ information on ingredients****3.1. Substances**

CAS No 7681-38-1

sodium-hydrogensulphate

EC No 231-665-7

Index No 016-046-00-X

**3.2. Mixtures**

not applicable

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately and dispose it safely.

Symptoms of poisoning may not occur for hours, therefore medical supervision for at least 48 hours necessary.

Adhere to personal protective measures when giving first aid.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.

Refer for medical treatment.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.  
Call for a doctor immediately.

**In case of ingestion**

Do not induce vomiting.  
Call for a doctor immediately.  
Rinse out mouth and give plenty of water to drink.

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

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed****Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

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

In the event of fire the following can be released:  
Sulphur dioxide (SO<sub>2</sub>)

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Wear full protective clothing.

**Additional information**

Cool endangered containers with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

No information available.

**For non-emergency personnel**

Avoid dust formation.  
Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Flush away residues with water.  
Use chemical neutralizers.  
Take up mechanically.

**6.4. Reference to other sections**

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation and deposition of dust.

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

Do not eat or drink when working.

Keep away from food and drink.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

The product is not combustible.

No special measures necessary.

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

#### Requirements for storage rooms and vessels

Keep only in original container.

#### Advice on storage compatibility

Do not store together with animal feedstuffs.

Do not store together with food.

#### Further information on storage conditions

Storage: cool and dry

Protect from atmospheric moisture and water

#### Information on storage stability

Storage time: 5 years.

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No information available.

### 8.2. Exposure controls

#### Respiratory protection

Particle filter P2

In case of dust formation wear micro dust mask.

#### Hand protection

Protective gloves

chemical-resistant gloves

Suitable materials (recommended: protection index 6, >480 minutes permeation time according to EN 374)

Nitrile-butadiene rubber (NBR) - 0.4 mm layer thickness

Butyl rubber (butyl) - 0.7mm layer thickness

In view of the many different types, the manufacturers' directions for use must be followed

#### Eye protection

Safety goggles

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

pearl (drop)

**Colour**

yellowish

**Odour**

odourless

**Odour threshold**

No information available.

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	ca. 1	20 °C	50 g/l		
<b>Boiling temperature / boiling range</b>	No information available.				
<b>melting point</b>	315 °C				
<b>Flash point</b>	No information available.				
<b>Vapourisation rate</b>	No information available.				
<b>Flammable (solid)</b>	No information available.				
<b>Flammability (gas)</b>	No information available.				
<b>Ignition temperature</b>	No information available.				
<b>Self ignition temperature</b>	No information available.				
<b>Lower explosion limit</b>	No information available.				
<b>Upper explosion limit</b>	No information available.				
<b>Vapour pressure</b>	No information available.				
<b>Relative density</b>	No information available.				
<b>Bulk density</b>	ca. 1400 kg/m <sup>3</sup>				
<b>Vapour density</b>	No information available.				
<b>Solubility in water</b>	ca. 1080 g/l	25 °C			
<b>Solubility/other</b>	No information available.				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	No information available.				
<b>Decomposition temperature</b>	No information available.				
<b>Viscosity</b>	No information available.				

**Oxidising properties**

No information available.

**Explosive properties**

No information available.

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**Decomposition takes place from temperatures above:  
ca. 300 °C**10.3. Possibility of hazardous reactions**

Reactions with alkalis.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials****Materials to avoid**

Alkali (lye)

**10.6. Hazardous decomposition products**

Sulphur dioxide

**Thermal decomposition**

Remark                      No decomposition if used as directed.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	2140 mg/kg	rat		
<b>LC50 acute inhalation</b>	> 2,4 mg/l (4 h)	rat		
<b>Irritability skin</b>	low irritant effect - not necessary to label			
<b>Irritability eye</b>	risk of strong eye injuries			

**Experiences made from practice**

After swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

The product is an acid. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

Remove in accordance with local official regulations.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement.

#### Recommendations for packaging

Untaminated packaging may be taken for recycling.

#### Recommended cleansing agent

Water

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

### 14.6. Special precautions for user

No information available.

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

No information available.

#### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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## SECTION 15: Regulatory information

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

#### Other regulations (EU)

Please note:

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

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## ! SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

Refer to product information paper.

Emergency numbers:

IT CENTRO ANTIVELENI C/O OSPEDALI RIUNITI DI BERGAMO Telefono 800 883300

PT Centro de Informação Antivenenos Número de telefone 808 250 143

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 3.9

### Sources of key data used

Results of own researches and examinations

Literature informations

Toxicity studies, NIOSH-Tox-Data

National legislation and regulation