

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

### 1.1. Product identifier

<b>Name of product</b>	pH-Minus / pH-Senker 900105
<b>Name of substance</b>	sodium-hydrogensulphate
<b>Index No</b>	016-046-00-X
<b>EC No</b>	231-665-7
<b>REACH registration number</b>	01-2119552465-36-XXXX
<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
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### Advice

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

### 1.4. Emergency telephone number

NCEC, Phone (+44)(0)1865407333

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Eye Dam. 1	H318
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### Hazard Statements

H318	Causes serious eye damage.
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### 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.
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#### Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/eye protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor.
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.

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### 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

REACH registration number 01-2119552465-36-XXXX

#### 3.2. Mixtures

not applicable

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### 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

Rinse immediately with plenty of water for at least 15 minutes.

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

##### Physician's information / possible dangers

risk of strong eye injuries

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#### 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

##### 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

**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**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	ca. 1	20 °C	50 g/l		

	Value	Temperature	at	Method	Remark
<b>Boiling temperature / boiling range</b>	not determined				
<b>melting point</b>	315 °C				
<b>Flash point</b>	not determined				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	not determined				
<b>Bulk density</b>	ca. 1400 kg/m <sup>3</sup>				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	ca. 1080 g/l	25 °C			
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				

**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

#### Substances 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/Irritation/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>Skin irritation</b>	low irritant effect - not necessary to label			
<b>Eye irritation</b>	risk of strong eye injuries			

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No information available.
<b>Reproduction-Toxicity</b>				No information available.
<b>Carcinogenicity</b>				No information available.

**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**

**Waste code No.**

16 05 09

**Name of waste**

discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

**Recommendations for the product**

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

The product should not be allowed to enter drains, water courses or the soil.

**Recommendations for packaging**

Uncontaminated packaging may be taken for recycling.

**Recommended cleansing agent**

Water

**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-

	ADR/RID	IMDG	IATA-DGR
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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.

**SECTION 15: Regulatory information**

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

**Authorizations**

**Other regulations (EU)**

Regulation (EU) 1272/2008 (CLP), Regulation (EU) 1907/2006 (REACH), DECISION 2000/532/EG (list of wastes)

**15.2. Chemical Safety Assessment**

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

**SECTION 16: Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

Refer to product information paper.

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: 7.3

**Sources of key data used**

Results of own researches and examinations

Literature informations

Toxicity studies, NIOSH-Tox-Data

National legislation and regulation