

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

### 1.1. Product identifier

Name of product	pH-Plus / pH-Heber 900107
Name of substance	sodium carbonate
Index No	011-005-00-2
EC No	207-838-8
CAS No	497-19-8

### 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

Manufacturer/distributor	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.de

### 1.4. Emergency telephone number

Emergency advice	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; R36

#### R-phrases

36 Irritating 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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Eye Irrit. 2	H319	
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#### Hazard Statements

H319	Causes serious eye irritation.
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### 2.2. Label elements

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



GHS07

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**Signal word**

Warning

**Hazard Statements**

H319 Causes serious eye irritation.

**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 carbonate

**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 497-19-8

sodium carbonate

EC No 207-838-8

Index No 011-005-00-2

**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.

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 with water.

Consult a doctor if skin irritation persists.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.

Refer to medical treatment.

**In case of ingestion**

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

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**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:

Carbon monoxide (CO)

**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**

Take up dry.

Flush away residues with water.

**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: 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**

In case of dust formation wear micro dust mask.

**Hand protection**

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**

tightly fitting goggles

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

granules

**Colour**

white

**Odour**

odourless

**Odour threshold**

No information available.

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	11,5	25 °C	50 g/l		
<b>Boiling temperature / boiling range</b>	No information available.				
<b>melting point</b>	851 °C				
<b>Flash point</b>	not applicable				
<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>	970 - 1100 kg/m <sup>3</sup>				
<b>Vapour density</b>	No information available.				
<b>Solubility in water</b>	210 g/l	20 °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**

No information available.

**10.3. Possibility of hazardous reactions**

Reactions with strong acids.

**10.4. Conditions to avoid**

No information available.

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

Acid

**10.6. Hazardous decomposition products**

Carbon monoxide

Carbon 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>	4090 mg/kg	rat		
<b>Irritability eye</b>	irritant - risk of strong eye injuries			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No mutagenity, after different in-vitro studies.
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>	No data available			

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 300 g/m3 (96 h)	Lepomis macrochirus		
<b>Daphnia</b>	EC50 200 - 227 g/m3 (48 h)	Ceriodaphnia spec.		

### 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

No information available.

## 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

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>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

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**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