



Trade Name: pH Plus

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical Name	CAS-No.	EC- No	Index No	%	H & S
sodium carbonate	497-19-8	207-838-8	011-005-00-2	92%	H318: R41

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If inhaled: Remove casualty to fresh air; consult a doctor if symptoms persist

In case of skin contact: Wash off with plenty of water. Generally the product does not irritate the skin

In case of eye contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

If swallowed: Clean mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING. Seek immediate medical attention if symptoms persist.

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

Symptoms: No further information available.  
Effects: No further information available.

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

Treatment: Treat Symptomatically.  
No further information available.

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable extinguishing media: Dry powder. CO2 or water spray  
Unsuitable extinguishing media: High volume water jet

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

Specific Hazards during fire: Gives off irritating or toxic fumes (or gases) in a fire. Vapours may ignite. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

#### 5.3 Advice for fire-fighters

Special protective equipment: In the event of fire, wear self-contained breathing apparatus.

Further Information: Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.

### 6. Accidental release Measures

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

Personal precautions: Wear protective clothing as per Section 8  
Evacuate the area and keep personnel upwind  
Avoid breathing gas / mist / fumes. Avoid contact with skin and eyes  
Eye wash bottles should be available

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**6. Accidental release Measures****6.2 Environmental precautions**

Environmental precautions: Do not allow to enter public sewers and watercourses

**6.3 Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up. Place in sealed and labelled appropriate containers. Remove contaminated material to safe location for subsequent disposal.

**6.4 Reference to other sections**

See sections 7 & 8

**7. Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling: Avoid breathing dust. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area.

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

Requirements for storage areas and containers: Store in original container

Advice on protection against fire and No special measures required

Further information on storage conditions: Keep this product in original, closed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product out of the reach of children.

Advice on common storage: Keep away from food, drink and animal feeding stuffs.

**7.3 Specific end uses**

Specific use(s) The preparation of pH regulation

**8. Exposure control/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values

**8.2 Exposure controls****Engineering measures**

Refer to protective measures listed in sections 7 and 8.

**General Information:**

Use in a well ventilated area

**Personal protective equipment****Respiratory protection**

In case of inadequate ventilation wear respiratory protection

**Hand protection**

Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

**Eye protection**

Wear safety glasses approved to standard EN 166.

**Skin and body protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact

**Environmental exposure controls**

Dispose of in accordance with all applicable local and national regulations.

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	Crystalline powder
Colour:	White
Odour:	Odourless
pH @ 20°C:	11.5
Melting Point	854°C
Boiling point/boiling range:	> 999°C
Flash point:	Not applicable
Relative vapour density:	2.533 g/cm <sup>3</sup>
Water solubility:	212 g/l
Partition coefficient:n-octanol/water:	Not known
Explosive properties:	Product is not explosive.

**9.2 Other Information** No further information available

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	No information available.
<b>10.2 Chemical stability</b>	No decomposition if stored normally
<b>10.3 Possibility of hazardous reactions</b>	No information available.
<b>10.4 Conditions to avoid</b>	Avoid formation of dust. Keep away from heat and moisture.
<b>10.5 Incompatible materials</b>	Incompatible with acid
<b>10.6 Hazardous decomposition products</b>	Stable under recommended storage conditions.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Toxicity Values

Route	Species	Test	Value	Units
Oral	Rat	LD50	4,090	mg/kg

#### Primary Irritant effect

On the skin: Powder may irritate skin  
On the eye: Irritant

**Carcinogenic** There is no evidence that this substance has any carcinogenic properties.

**Mutagenic** There is no evidence that this substance is mutagenic

**Sensitization:** No sensitizing effects known

#### Additional toxicological information:

**If ingested** may cause discomfort

**If inhaled** irritating to mucous membranes and respiratory tract

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## 12. Ecological Information

### 12.1 Toxicity Eotoxicity

LC50	96h	fish	100/1000	mg l
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- 12.2 Persistence and degradability** No data available
- 12.3 Bioaccumulative potential** No data available
- 12.4 Mobility in soil** No data available
- 12.5 Results of PBT and PvB :** Not a PBT according to REACH Annex XIII
- 12.6 Other adverse effects** No data available

## 13. Disposal Considerations

### 13.1 Waste treatment methods

- Product:** Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.
- Contaminated packaging:** Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product
- European Waste Catalogue No:** No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

## 14. Transport Information

- 14.1 UN Number** Not applicable
- 14.2 UN proper shipping name** Not applicable
- 14.3 Transport hazard class(es)** Not applicable
- 14.4 Packaging Group** Not applicable
- 14.5 Environmental hazards** Clean up even minor leaks or spills if possible without unnecessary risk
- 14.6 Special precautions for user** See Section 7
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable



## 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**  
This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

- 15.2 Chemical Safety Assessment**  
No further information

**16. Other information**

Full text of R-phrases referred to under sections 2 and 3  
R36 Irritating to eyes

Full text of H-statements referred to under sections 2 and 3  
H319 Causes serious eye irritation

**Further information**

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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**• Abbreviations and acronyms:**

ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)  
ICAO: International Civil Aviation Organization  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS European Inventory of Existing Commercial Chemical Substances.  
CAS: Chemicals Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

<b>Revision</b>	<b>Date</b>	<b>By</b>	<b>Amendment</b>
1	03/01/08	Linda Brueford	Created
2	30/11/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	09/11/11	Linda Brueford	Updated to European regulations
4	20/10/13	Chemregs	Minor amendments
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