

Safety Data Sheet dated 23/9/2019, version 1

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

1.1. Product identifier

Mixture identification:
Trade name: PH PLUS
Additional identification: CH0005
Chemical name: Sodium carbonate
CAS number: 497-19-8
EC number: 207-838-8
Index number: 011-005-00-2
REACH number: 01-2119485498-19-XXXX

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

Recommended use:
SWIMMING POOL WATER TREATMENTS. USE AS A PH REGULATOR.

Uses advised against:
All that is not included in the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier(Only representative): -
Supplier(Importer): Wilton Bradley Europe B.V.
Address: Barbara Strozzilaan 201, 1083HN, Amsterdam, Netherlands
Contact person(E-mail): sales@wiltonbradley.co.uk
Telephone: +44 (0)1626 835400
Fax: +44 (0)1626 836656

1.4. Emergency telephone number

+44 (0)333 301 0644
Available outside office hours? YES NO

SECTION 2: Hazards identification


2.1. Classification of the substance or mixture

Physical and chemical hazards: the product is not classified for this hazard category.

Health hazards: the product causes serious eye irritation.

Environmental hazards: the product is not classified for this hazard category.

EC regulation criteria 1272/2008 (CLP)

 Warning, Eye Irrit. 2, Causes serious eye irritation.

2.2. Label elements

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Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P280 Wear protective gloves and protective clothing and eye protection and face 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.

P337+P313 If eye irritation persists: Get medical advice.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards


vPvB Substances: None - PBT Substances: None

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance:

Qty	Name	Ident. Number	Classification	Specific limit concentration 1272/2008 CLP
100 %	Sodium carbonate	Index number: CAS: 497-19-8 EC: 207-838-8 REACH No.: 01-2119485498-19-XXXX	 3.3/2 Eye Irrit. 2 H319	<u>Not applicable</u>

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

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After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Treat symptomatically. Consult a doctor.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a foam fire extinguisher to extinguish.

CO₂ or Dry chemical fire extinguisher.

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

Water.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke (CO_x mostly)

5.3. Advice for firefighters

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), fireproof gloves (EN 659) and firefighter boots (HO A29 or A30).

Move undamaged containers from immediate hazard area if it can be done safely.

Use fire fighter's clothing conforming to European standard EN469.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

FOR NON-EMERGENCY RESPONDERS

Alert personnel responsible coordinating the response to such emergencies. Move away from the area affected by the accident if you are not in possession of the personal protective equipment listed in Section 8.

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FOR EMERGENCY RESPONDERS

Evacuate all personnel not suitably equipped to deal with the emergency.

Wear suitable protective clothing and equipment, as set out in Section 8 of the safety data sheet, to prevent any contamination of the skin, eyes and personal clothing. Stop leak if safe to do so. Do not permit workers to access the area affected by the accident until safe conditions have been restored.

Ventilate the areas affected

6.2. Environmental precautions

Aspirate the spilled product, collecting it in a suitable container. Assess the compatibility of the container to use with the product by referring to section 10. Absorb any remaining product using inert absorbent material (e.g. vermiculite, diatomaceous earth, sand, zeolites, activated carbon, aluminium/silica gel). Ensure the affected by the spill is ventilated adequately. Contaminated material should be disposed of in compliance with the provisions set forth in point 13. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand
Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

For cleaning up:
Wash with plenty of water.
Clear spills immediately

6.4. Reference to other sections

See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Do not use on extensive surface areas in premises where there are occupants.
See also section 8 for recommended protective equipment.
Use localized ventilation system.

Advice on general occupational hygiene: Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. Wash hands after use

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:
Keep away from acids.

Instructions as regards storage premises:
Adequately ventilated premises.
Cool and adequately ventilated.

7.3. Specific end use(s)

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There are no specific end uses other than those identified in Section 1.2 of this safety data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The product does not contain any substances that are subject to Community workplace exposure limits (OEL) requiring declaration in this Section.

PNOC: It is recommended to consider in the risk assessment process the occupational exposure limit values foreseen by ACGIH for inert powders not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC inhalable fraction: 10 mg / mc). If these limits are exceeded, we recommend using a type P filter whose class (1, 2 or 3) must be chosen according to the outcome of the risk assessment.

DNEL Exposure Limit Values

Sodium carbonate - CAS: 497-19-8

Worker Professional: 10 mg/m³ - Consumer: 10 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, local effects

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Gloves for work, resistant to penetration.

Respiratory protection:

Mask with filter type A, B, E, K, P (for particulate matter)
Particle filter device (DIN EN 143).

Environmental exposure controls:

None

Appropriate engineering controls:

Operate in well ventilated place.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance:	Solid	--	--
Colour:	White	--	--
Odour:	Odourless	--	--
Odour threshold:	N.A.	--	--
pH:	11.5 (sol.5% at 20°C)	--	
Melting point / freezing point:	851 °C	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	2.5	--	--
Density:	1,00-1,15 g/cm ³		
Solubility in water:	215 g/l	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	> 400 °C	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not applicable (absence of chemical groups associated with explosive properties, pursuant to the provisions of Annex I, Part 2, chapter 2.1.4.3 of Reg. (EC) 1272/2008 (CLP))	--	--
Oxidizing properties:	Not applicable (absence of the requirements related to the presence of atoms and/or chemical bonds associated with oxidising properties in the molecules of the components, pursuant to the provisions of Annex I, Part 2, 2.13.4 of Reg. (EC) 1272/2008 (CLP).	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

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10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Decomposes by reaction with strong acids.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Exposure to moisture.

10.5. Incompatible materials

Finely divided aluminium. Acids.

10.6. Hazardous decomposition products

CO_x mostly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the substance:

Sodium carbonate - CAS: 497-19-8

a) acute toxicity

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

b) skin corrosion/irritation

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

c) serious eye damage/irritation

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is classified: **Eye Irrit. 2 H319**

d) respiratory or skin sensitisation

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

e) germ cell mutagenicity

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

f) carcinogenicity

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On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

g) reproductive toxicity

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

h) STOT-single exposure

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

i) STOT-repeated exposure

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

j) aspiration hazard

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the substance is not classified for this hazard class.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Sodium carbonate - CAS: 497-19-8

Based on the assessment of the component classification and classification provisions as per Annex I, Part 4 of (EC) reg. 1272/2008 as amended, the substance is not classified as hazardous for the environment;

Sodium carbonate - CAS: 497-19-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: *Lepomis macrochirus* 300 mg/l - Duration h: 96

Endpoint: EC50 - Species: *Ceriodaphnia dubia* 200 mg/l - Duration h: 48

12.2. Persistence and degradability

Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

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None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number - N.A.

14.2. UN proper shipping name - N.A.

14.3. Transport hazard class(es) - N.A.

14.4. Packing group - N.A.

14.5. Environmental hazards - N.A.

14.6. Special precautions for user - N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code - N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

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Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for the substance.

Sodium carbonate

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand
Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate
ATEmix: Acute toxicity Estimate (Mixtures)
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

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TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.

FIRST EMISSION OF THE DOCUMENT.