Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 28.07.2026 Version number 1 Revision: 24.07.2026

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

• **1.1 Product identifier**

• **Trade name: pH-Plus Granulat**

• Article number: 0802
• CAS Number:
497-19-8
• EC number:
207-838-8
• Index number:
011-005-00-2
• Registration number 01-2119485498-19-XXXX
• UFI: YENG-H3E0-YR03-SPSJ
• **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
• **Application of the substance / the mixture** Water treatment

• **1.3 Details of the supplier of the safety data sheet**
• **Manufacturer/Supplier:**
Chemoform AG
Bahnhofstr. 68, D-73240 Wendlingen
Tel: +49 7024 4048-0, Fax: +49 7024 4048-2800, E-Mail: info@chemoform.com

• **Further information obtainable from:** datenblatt@chemoform.com
• **1.4 Emergency telephone number:** Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240 (24h)

SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**
• **Classification according to Regulation (EC) No 1272/2008**
Eye Irrit. 2 H319 Causes serious eye irritation.
• **Additional information:** The full text of the classification and labelling elements mentioned is given in Section 16.

• **2.2 Label elements**
• **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
• Hazard pictograms

GHS07

• Signal word Warning
• Hazard statements
H319 Causes serious eye irritation.
• Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash thoroughly after handling.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.

• **2.3 Other hazards**
• **Results of PBT and vPvB assessment**
• PBT: Not applicable
• vPvB: Not applicable

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SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**
  497-19-8 sodium carbonate
- **Identification number(s)**
- EC number: 207-838-8
- Index number: 011-005-00-2

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**
  Call a doctor immediately.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  In case of fire, the following can be released:
  Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
  Wear self-contained respiratory protective device.
  Do not inhale explosion gases or combustion gases.
- **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Ensure adequate ventilation
  Avoid formation of dust.
  Wear protective clothing.
- **6.2 Environmental precautions:**
  Damp down dust with water spray.
  Do not allow to penetrate the ground/soil.
  Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  Send for recovery or disposal in suitable receptacles.
  Dilute with plenty water.
- **6.4 Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  Keep receptacles tightly sealed.
  Provide suction extractors if dust is formed.
  Extractor required at the object.

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Prevent formation of dust.

• **Information about fire - and explosion protection:** The product is not flammable.

• **7.2 Conditions for safe storage, including any incompatibilities**
• **Storage:**
• Requirements to be met by storerooms and receptacles:
Provide alkali-resistant floor.
Store only in the original receptacle.
• Information about storage in one common storage facility: Store away from foodstuffs.
• Further information about storage conditions:
Store in dry conditions.
Keep container tightly sealed.
• Storage class: 13
• **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**
• **Ingredients with limit values that require monitoring at the workplace:** Not required.
• Additional information: The lists valid during the making were used as basis.

• **8.2 Exposure controls**
• **Appropriate engineering controls** No further data; see section 7.
• **Individual protection measures, such as personal protective equipment**
• General protective and hygienic measures:
Use skin protection cream for skin protection.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
• Respiratory protection:
Use suitable respiratory protective device when high concentrations are present.
Filter P2
Filter P3
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
• Hand protection
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
• Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
• Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
• For the permanent contact gloves made of the following materials are suitable:
Chloroprene rubber, CR
Butyl rubber, BR
Natural rubber, NR
Nitrile rubber, NBR
Fluorocarbon rubber (Viton)
PVC gloves
• Not suitable are gloves made of the following materials:
Leather gloves
Strong material gloves
• Eye/face protection

Tightly sealed goggles

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• Body protection: Impervious protective clothing

SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **General Information**

• Physical state	Solid
• Colour:	White
• Odour:	Odourless
• Odour threshold:	Not determined
• Melting point/freezing point:	854 °C
• Boiling point or initial boiling point and boiling range	Undetermined
• Flammability	Product is not flammable.
• Lower and upper explosion limit	
• Lower:	Not determined
• Upper:	Not determined
• Flash point:	Not applicable
• Decomposition temperature:	> 400 °C
• pH	11,5
• Viscosity:	
• Kinematic viscosity	Not applicable
• Dynamic:	Not applicable
• Solubility	
• water at 20 °C:	212 g/l
• Partition coefficient n-octanol/water (log value)	Not determined
• Vapour pressure:	Not applicable
• Density and/or relative density	
• Density at 20 °C:	2,533 g/cm³
• Relative density	Not determined
• Bulk density:	500 – 600 kg/m³
• Vapour density	Not applicable
• Particle characteristics	See section 3.

• **9.2 Other information**

• **Appearance:**

• Form:	Crystalline powder

• **Important information on protection of health and environment, and on safety.**

• Ignition temperature:	Not determined
• Explosive properties:	Product does not present an explosion hazard.
• Solids content:	100,0 %
• Molecular weight	105,99 g/mol

• **Change in condition**

• Evaporation rate	Not applicable.

• **Information with regard to physical hazard classes**

• Explosives	Void
• Flammable gases	Void
• Aerosols	Void
• Oxidising gases	Void
• Gases under pressure	Void
• Flammable liquids	Void
• Flammable solids	Void
• Self-reactive substances and mixtures	Void
• Pyrophoric liquids	Void
• Pyrophoric solids	Void
• Self-heating substances and mixtures	Void
• Substances and mixtures, which emit flammable gases in contact with water	Void
• Oxidising liquids	Void
• Oxidising solids	Void
• Organic peroxides	Void
• Corrosive to metals	Void

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• Desensitised explosives Void

SECTION 10: Stability and reactivity

• **10.1 Reactivity** No further relevant information available.
• **10.2 Chemical stability**
• **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
• **10.3 Possibility of hazardous reactions**
Heating occurs when water is added.
Reacts with strong acids and alkali.
• **10.4 Conditions to avoid** No further relevant information available.
• **10.5 Incompatible materials:** No further relevant information available.
• **10.6 Hazardous decomposition products:**
Carbon monoxide
Carbon dioxide

SECTION 11: Toxicological information

• **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
• **Acute toxicity** Based on available data, the classification criteria are not met.
• Primary irritant effect:
• Skin corrosion/irritation Based on available data, the classification criteria are not met.
• Serious eye damage/irritation Causes serious eye irritation.
• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
• **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
• **Carcinogenicity** Based on available data, the classification criteria are not met.
• **Reproductive toxicity** Based on available data, the classification criteria are not met.
• **STOT-single exposure** Based on available data, the classification criteria are not met.
• **STOT-repeated exposure** Based on available data, the classification criteria are not met.
• **Aspiration hazard** Based on available data, the classification criteria are not met.
• **11.2 Information on other hazards**
• **Endocrine disrupting properties** Substance is not listed.

SECTION 12: Ecological information

• **12.1 Toxicity**
• **Aquatic toxicity:** Toxic to aquatic life with long lasting effects.
• **12.2 Persistence and degradability**
Anorganic product, is not eliminable from water by means of biological cleaning processes.
• **12.3 Bioaccumulative potential** Does not accumulate in organisms
• **12.4 Mobility in soil** No further relevant information available.
• **12.5 Results of PBT and vPvB assessment**
• **PBT:** Not applicable
• **vPvB:** Not applicable
• **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
• **12.7 Other adverse effects**
• **Additional ecological information:**
• General notes:
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

• **13.1 Waste treatment methods**
• **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
• **European waste catalogue**

16 05 07* discarded inorganic chemicals consisting of or containing hazardous substances

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- **Uncleaned packaging:**
- Recommendation:
  Packaging may be reused or recycled after cleaning.
  Non contaminated packagings may be treated like household garbage.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- Class Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- Named dangerous substances - ANNEX I Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
  Substance is not listed.
- **REGULATION (EU) 2019/1148**
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
  Substance is not listed.
- Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
  Substance is not listed.
- **National regulations:**
- Waterhazard class: Water hazard class 1 (Assessment by list): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations
  TRGS 200: Classification and labelling of substances, preparations and articles.
  TRGS 201: Labelling of waste during handling.
  TRGS 400: Determination and assessment of hazards from hazardous substances at the workplace: Requirements.
  TRGS 440: Determination and assessment of hazards from hazardous substances at the workplace: Determination of hazardous substances and methods for testing substitutes.
  TRGS 500: Protective measures: Minimum standards.
  TRGS 555: Operating instructions and instruction according to § 20 GefStoffV.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- Classification according to Regulation (EC) No 1272/2008
  The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
- **Date of previous version:** 12.05.2026
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2