

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

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

1.1 Product identifier	PHOENIX Enzymreiniger
Product form	Mixture, solid granulate
1.2 Relevant identified uses	Cleaning agent for dissolving organic residues and odours. Use by consumers and professional users.
Uses advised against	None known.
1.3 Supplier	Beratungs- & Vertriebsservice Schmidt, owner Dieter Schmidt
Address	Lange Hecke 11, 41462 Neuss, Germany
Telephone	+49 2131 8854107
E-mail (competent person)	d.schmidt@vertriebsservice-schmidt.de
1.4 Emergency telephone number	+49 172 5100863 (Product Safety Department, office hours)

SECTION 2: Hazards identification

2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

The mixture is not classified as hazardous according to the criteria of the CLP Regulation.

2.2 Label elements

Not subject to labelling. No hazard pictogram, no signal word, no H or P statements required.

2.3 Other hazards

- Dust may form when handling the granulate. Avoid dust formation and inhalation.
- The mixture does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Sodium carbonate	CAS 497-19-8 · EC 207-838-8 · 10 – 25 % · Eye Irrit. 2, H319
Sodium metasilicate	CAS 6834-92-0 · EC 229-912-9 · below 1.0 % · Skin Corr. 1B, H314 · STOT SE 3, H335
Non-ionic surfactants	below 5 %
Enzymes	Amylase, protease
Fragrance	contained

Ingredients additionally declared in accordance with Regulation (EC) No 648/2004 on detergents. The full text of the H statements listed is given in Section 16.

Full list of ingredients: phoenix-enzymreiniger.de/inhaltsstoffe

SECTION 4: First aid measures

4.1 Description of first aid measures

- General: Remove clothing contaminated with the product immediately.
- After inhalation: Provide fresh air. Seek medical advice if symptoms persist.
- After skin contact: Wash off with soap and water and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Consult a doctor if irritation persists.
- After swallowing: Rinse mouth, drink plenty of water, do not induce vomiting. Seek medical advice if you feel unwell.

4.2 Most important symptoms and effects

Slight irritation of skin and eyes possible.

4.3 Indication of any immediate medical attention

Treat symptomatically. No specific antidotes known.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media	CO ₂ , extinguishing powder, water spray, alcohol-resistant foam
Unsuitable extinguishing media	Full water jet
5.2 Special hazards	The product is not flammable. Strong heating may produce nitrogen oxides (NO _x), carbon monoxide (CO) and carbon dioxide (CO ₂).
5.3 Advice for firefighters	Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions	Avoid dust formation. Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions	Prevent entry into sewers, pits and cellars.
6.3 Methods for cleaning up	Pick up mechanically. Dispose of contaminated material according to Section 13. Ensure adequate ventilation.
6.4 Reference to other sections	See Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Ensure good ventilation. Avoid dust formation. Avoid contact with eyes and skin.
7.2 Conditions for safe storage	Store only in the original container, tightly closed, in a cool and dry place. Store away from oxidising agents.
7.3 Specific end uses	Cleaning agent, see Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	No ingredients with occupational exposure limits above the reporting threshold.
8.2 Engineering controls	Ensure adequate ventilation.
Respiratory protection	Only in case of heavy dust formation: particle filter P2.
Hand protection	Protective rubber gloves. Ask the manufacturer for the breakthrough time.
Eye protection	Tightly sealed safety goggles if there is a risk of splashing.
Hygiene measures	Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

SECTION 9: Physical and chemical properties

Physical state	solid (granulate)
Colour	yellowish brown
Odour	fruity
pH value (100 g/l, 20 °C)	8.5 – 9
Melting point	not determined
Flash point	not applicable (solid)
Ignition temperature	205 °C
Decomposition temperature	above 360 °C
Self-ignition	not self-igniting
Explosion hazard	not explosive
Solubility in water	soluble
Bulk density	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity	None under intended use.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	Reactions with strong acids and oxidising agents.
10.4 Conditions to avoid	Temperatures above 360 °C, moisture.
10.5 Incompatible materials	Strong acids, oxidising agents.
10.6 Hazardous decomposition products	None known under intended use.

SECTION 11: Toxicological information

Acute toxicity	No classification-relevant LD/LC50 values determined.
Skin irritation	Slight irritation possible.
Eye irritation	Irritant effect.
Sensitisation	No sensitising effect known.
Other information	According to the calculation method of the CLP Regulation, the mixture is not subject to labelling.

SECTION 12: Ecological information

12.1 Toxicity	Not determined.
12.2 Degradability	The surfactants contained comply with the criteria for ultimate aerobic biodegradability as laid down in Regulation (EC) No 648/2004, at least 90 %.
12.5 Results of PBT and vPvB assessment	The criteria are not met.
12.6 Other adverse effects	German water hazard class 1 (self-classification), slightly hazardous to water. Do not allow undiluted product or larger quantities to enter groundwater, surface water or sewers.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Dispose of in accordance with official regulations. Do not dispose of with household waste or via the sewage system.
European Waste Catalogue	07 00 00 · 07 07 00 · 07 07 99
Uncleaned packaging	Dispose of in accordance with official regulations.

SECTION 14: Transport information

14.1 – 14.4 ADR/RID, IMDG, ICAO/IATA	Not dangerous goods within the meaning of these regulations.
14.5 Environmental hazards	Marine pollutant: no
14.6 Special precautions	None.

SECTION 15: Regulatory information

15.1 Regulations	Regulation (EC) No 1272/2008 (CLP): not subject to labelling. Regulation (EC) No 648/2004 on detergents: complied with. Regulation (EU) No 528/2012 concerning biocidal products: not applicable, the mixture is not a biocidal product.
Water hazard class (Germany)	WGK 1 (self-classification), slightly hazardous to water
15.2 Chemical safety assessment	No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of the H statements referred to in Section 3

- H314 – Causes severe skin burns and eye damage.
- H319 – Causes serious eye irritation.
- H335 – May cause respiratory irritation.

The H statements listed refer to the classification of the pure ingredients, not to the mixture. The mixture itself is not subject to labelling.

Changes compared to the previous version

- Changeover from the repealed Directive 91/155/EEC to Regulation (EC) No 1907/2006 (REACH), Annex II.
- Dipropylene glycol methyl ether removed: no longer part of the formulation.
- Enzymes (amylase, protease), non-ionic surfactants and fragrance added in Section 3.
- Physical properties of a liquid preparation (boiling point, density, complete miscibility) removed; the product is a solid.
- R phrases replaced by H statements according to CLP.
- Company name and contact details corrected.

The information is based on our current state of knowledge. It does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

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