

Shrimp Mineral GH/KH+

Print date 21.09.2026

Revision date 13.08.2026

Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation Shrimp Mineral GH/KH+

Unique Formula Identifier UFI: Y1S2-A0D8-N00W-NWC0

Product category PC-ANI-OTH Other products for animals (excluding biocidal products)

Hazard components

calcium chloride

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

Use of the substance/mixture

Use of the mixture for the treatment of reverse osmosis water or deionized water, particularly for shrimp from habitats with a neutral pH.

1.3 Details of the supplier of the safety data sheet

Supplier

SaltyShrimp

Ohlweg 8

D-22885 Barsbüttel

Telephone +49 (0)40 - 38655110

E-mail hallo@garnelenhaus.de

1.4 Emergency telephone number

Universitätsmedizin Göttingen - Georg-August-Universität +49 (0)551/19 240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Classification procedure

Eye Irrit. 2, H319

Hazard statements for health hazards

H319 Causes serious eye irritation.

2.2 Label elements

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

Hazard components

calcium chloride

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

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Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear 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.
P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

Adverse human health effects and symptoms

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Adverse environmental effects

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
10043-52-4	233-140-8	017-013-00-2	calcium chloride	$\geq 20 < 40 \%$	Eye Irrit. 2; H319	ATE(oral): > 2000 mg/kg ATE(dermal): > 5000 mg/kg

REACH No.	Substance name
01-2119494219-28	calcium chloride

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice or assistance. Show this safety data sheet to the attending physician.

Following inhalation

Remove casualty to fresh air.
In the event of symptoms refer for medical treatment.

Following skin contact

Take off contaminated, soaked clothes immediately.
Wash off immediately with water.
Consult a doctor if the complaint persists.

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After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Drink plenty of water.

Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

May irritate the mucous membranes.

If swallowed, it may cause stomach irritation, nausea, vomiting, and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

All extinguishing agents are suitable.

Adjust fire extinguishing measures to the environment.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire gas of organic material has to be classed invariably as respiratory poison.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

Use protective equipment.

Do not allow firefighting water to enter the sewer system, surface water, or groundwater.

Use a water spray to disperse gases, vapors, and mists.

Additional information

The product itself does not burn.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid skin and eye contact

Use personal protection equipment.

Provide adequate ventilation.

Avoid dust formation.

Avoid inhalation of dusts.

For emergency responders

Avoid skin and eye contact

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6.2 Environmental precautions

Prevent release to the environment. Prevent further leakage or spilling if this can be done safely.
Do not allow to enter into surface water or drains uncontrolled.

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up dust-free and set down dust-free.
Treat the recovered material as prescribed in the section on waste disposal.
The cleaning fluid can be disposed of through the wastewater system.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Take the usual precautions when handling with chemicals.
Usual measures for fire prevention.
Avoid dust formation.
Dust deposits that cannot be avoided must be collected regularly.
Provide good ventilation.
Avoid contact with skin and eyes.
Avoid release into the environment.

Advices on general occupational hygiene

Keep away from food and drink.
When using do not eat, drink, smoke.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.
Preventive skin protection is recommended.
Keep an eye wash bottle or eye shower available in the work area.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.
Keep containers tightly closed in a dry and well-ventilated place.
The product is hygroscopic.
Ensure adequate ventilation of the storage area.
Open and handle with care.

Materials to avoid

Strong acid

Further information on storage conditions

Protect against:
Frost
UV-radiation/sunlight
Heat

7.3 Specific end use(s)

Recommendation

See section 1.2

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL worker

CAS No	Substance name	DNEL value	DNEL type	Remark
10043-52-4	calcium chloride	10 mg/m ³	acute inhalative (local)	
10043-52-4	calcium chloride	5 mg/m ³	long-term inhalative (local)	

DNEL Consumer

CAS No	Substance name	DNEL value	DNEL type	Remark
10043-52-4	calcium chloride	5 mg/m ³	acute inhalative (local)	
10043-52-4	calcium chloride	2.5 mg/m ³	long-term inhalative (systemic)	

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

For good space ventilation provide, if necessary exhaust on the job.
Avoid dust accumulation.

Personal protection equipment

Eye/face protection

Safety goggles (DIN EN 166)

Hand protection

not necessary

Body protection:

not necessary

Respiratory protection

Not necessary if the room is well ventilated.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

solid
crystalline
Powder

Colour

whitish

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		

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	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point			not applicable
Auto-ignition temperature			The product is not self-igniting.
Decomposition temperature	not determined		
pH	6- 7 (20°C)		
Viscosity	not determined		
Solubility(ies)	Water solubility		very soluble
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	not determined		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Solid content	< 1 %		
Explosive properties			The product is not explosive
Oxidising properties			not oxidizing

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

Reactions with strong acids

Reactions with oxidising agents.

10.4 Conditions to avoid

direct sunlight

Avoid air moisture.

Corrosive to metals.

10.5 Incompatible materials

Materials to avoid

Oxidising agent

Acids

Metals

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10.6 Hazardous decomposition products

With strong acids: hydrogen chloride

With oxidizing agents: chlorine gas (Cl₂), sulfur oxides

Additional information

When dissolving in water, always add the product to the water—never add water to the product.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No 10043-52-4 calcium chloride LD50: > 2000 mg/kg Species Rat	OECD 401	
Acute dermal toxicity	CAS No 10043-52-4 calcium chloride LD50: > 5000 mg/kg Species Rabbit	OECD 402	
Acute inhalation toxicity	not determined		

Assessment/classification

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Assessment/classification

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Assessment/classification

Causes serious eye irritation.

Sensitisation to the respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Skin sensitisation

Assessment/classification

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

Overall Assessment on CMR properties

Based on available data, the classification criteria are not met.

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STOT-single exposure

STOT SE 1 and 2

Assessment/classification

Based on available data, the classification criteria are not met.

STOT SE 3

Irritation to respiratory tract

Assessment/classification

Based on available data, the classification criteria are not met.

Narcotic effects

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification

Based on available data, the classification criteria are not met.

Aspiration hazard

Remark

Due to available data, the classification criteria are not met.

11.2 Information on other hazards

Information on other hazards

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or more have endocrine disrupting properties.

Other information

The product is to be handled with the caution usual with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		

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	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification

The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

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 vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			The substance/this mixture does not contain any components, which have endocrine disrupting properties in quantities of 0.1% or more, in accordance with REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

If handled in the appropriate manner, no adverse effects on the environment are known and to be expected.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
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060314	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
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Waste code packaging	Waste name
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150102	plastic packaging
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Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Non-contaminated packages may be recycled.

Remark

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

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SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Eye Irrit. 2: Eye irritation, Category 2

Key literature references and sources for data

Raw material safety data sheets

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The product is to be produced on the basis of the available hazard data of the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008, classified.

Classification method:

Expert Knowledge

Calculation

Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.

In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Observe national and local legal requirements.

Relevant H- and EUH-phrases (Number and full text)

H319 Causes serious eye irritation.