

Safety Data Sheet

According to Regulation (EC) NO 1907/2006 (REACH)

Print date: 17. July 2019

Revision date:

Version: 1 Replaced version:

Special sea salt for Beurer maritime climate device

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

1.1 Product identifier

Trade name: Special sea salt for Beurer maritime climate device

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

Salt for maritime climate device

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Prof. Dr. Biener GmbH
Hauptstraße 30
09573 Leubsdorf
Phone: +49 (0)37291 1399 51
info@prof-dr-biener-salze.com

1.4 Emergency Telephone Number:	Reachability:
Phone: +49-37291-139951	Mo-Th: 07:00-16:00
Fax: +49-37291-139952	Fr: 07:00-14:00

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Based on our data, the product is not a hazardous substance within the meaning of the Chemicals Act or the Hazardous Substances Ordinance and the EU Directives in the currently valid version.

2.2 Label elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008. A safety data sheet is available on request.

2.3 Other hazards

No information available

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Section 3: Composition/ information on ingredients

3.1 Substances

The Product is a mixture

3.2 Mixture

The product is composed of different salts

Hazardous ingredients according to Regulation (EC) No. 1272/2008 [CLP]:

Calcium chloride CAS No.: 10043-52-4 EC-No.: 233-140-8

Registration number 01-2119494219-28-0000

Proportion: <10%

Classification according to Regulation (EC) No. 1272/2008:

Eye Irrit. 2, H319

Hazard pictogram:



GHS07

Warning

For the wording of the listed risk phrases refer to section 16.

Section 4: First aid measures

4.1 Description of first aid measures

General information

If symptoms persist, consult a doctor

Following inhalation

Fresh air

Following skin contact

If touched with skin, rinse with water

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Following eye contact

In case of contact with eyes, rinse thoroughly with plenty of water

Following ingestion

Rinse mouth, drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt the extinguishing measures to the surroundings

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: toxic fire gases, hydrogen chloride, chlorine, sulfur oxides

5.3 Advice for fire-fighters

As with any fire wear respirator and protective gear

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective gear

6.2 Environmental precautions

Do not allow large quantities into drains or water courses

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6.3 Methods and material for containment and cleaning up

Mechanically recover the product, rinse remaining contamination with water and dilute this water extremely.

6.4 Reference to other sections

Concerning personal protective equipment to use, see section 8

Section 7: Handling and storage

7.1 Precautions for safe handling

If used properly no special measures required. The usual precautionary measures are to be adhered to when handling chemicals.

Measures taken as a protection from the dangers of fire and explosions

The mixture is not flammable. The usual precautionary measures of fire protection must be considered.

Hygiene measures

Keep away from food, drink and animal feeding stuffs.

Do not eat, drink or smoke when using this product.

Always remove dirty clothes.

More information

none

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage facilities and containers

Keep container closed and dry

Hints for combined storage

Do not store with strong acids and oxidizing agents

Further information on storage conditions

Keep container closed and dry, product is hygroscopic

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Storage class

13

Storage stability information

Original sealed and with proper storage everlasting

7.3. Specific end uses

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Section 8: Exposure controls/personal protection

8.1 Control parameters

No information available

8.2 Limitation and monitoring of exposure

Appropriate engineering controls

None

Personal protective equipment

Respiratory protection

Not required

Eye protection

Do not allow the product to come into contact with the eyes

Body protection

Not required if used properly

Environmental exposure controls

No information available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance solid (crystals / powder)

Color white - greyish

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Odor	characteristic
Odor threshold	no information available
pH	not determined
Boiling point/Boiling range	no information available
Melting point/freezing point	no information available
Flame point	not applicable
evaporation rate	no information available
ignition temperature	none
spontaneous combustion	not self-igniting
vapor pressure	no information available
vapor density	no information available
density	not determined
solubility in water	soluble
viscosity	not determined
decomposition temperature	not determined
explosive properties	not explosive
oxidizing characteristics	not determined

Section 10: Stability and reactivity

10.1 Reactivity

Reaction with strong oxidants can produce chlorine gas and sulfur oxides

Reaction with strong acids can produce hydrogen chloride

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

When used as intended, no hazardous reactions are expected

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10.4 Conditions to avoid

Thermal decomposition > 200 °C

10.5 Incompatible materials

Strong acids, Oxidizing agents

Corrosive to metals

10.6 Hazardous decomposition products

Hydrogen chlorine, chlorine, sulfur oxides

Section 11: Toxicological information

11.1 Information on toxicological effects

There are no toxicological findings for this mixture

Toxicology of dangerous raw material

Acute toxicity

Calcium chloride CAS No.: 10043-52-4 EC-No.: 233-140-8

Registration number 01-2119494219-28-0000

LD₅₀ (oral) 2301 mg / kg (rat)

Dermal LD₅₀ 5000 mg / kg (rabbit)

Irritation

To the skin: light irritation possible

On the eye: irritation possible

Etching effect

No information available

Sensitization

No information available

Specific target organ toxicity (repeated exposure)

No information available

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Carcinogenicity

No information available

Germ cell mutagenicity

No information available

Reproductive toxicity

No information available

General comments

The available data are not sufficient for a complete industrial toxicological assessment.

The usual precautionary measures when handling chemicals must be observed.

Other indications:

None

Section 12: Ecological information

12.1 Toxicity

Toxicity of the dangerous raw material

Calcium chloride CAS No.: 10043-52-4 EC-No.: 233-140-8

Registration number 01-2119494219-28-0000

LC₅₀ / 48h 2400 mg / l (daphnia magna)

EC₅₀ / 96h 4630 mg / l (Pimephales promales)

EC₅₀ / 72h 2900 mg / l (alga)

12.2 Persistence and degradability

Inorganic components; cannot be eliminated from the water by biological purification processes

12.3 Bioaccumulative potential

No information available

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12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

General information

If used correctly, no ecological problems are to be expected.

Behavior in sewage processing plants

With the appropriate introduction of low concentrations into adapted biological waste water treatment plants, no inhibition of the degradation activity of the activated sludge is to be anticipated.

Section 13: Disposal considerations

13.1 Waste treatment methods

Treatment of polluted packages

The packages should be cleaned with a lot of water, after that they can be disposed in the common way.

The appropriate disposal of the products

Disposal must be made according to official regulations.

Recommended cleaning agent

None

Section 14: Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

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14.3 Transport hazard class

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Comment

No dangerous goods in the sense of the regulation

Additional information about the transport

Land transport (ADR/RID/GGVS/GGVE)

Section 15: Regulatory information

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

Not known

National Regulations

Information about limitation of use

No information available

Case of failure regulation

Not applicable

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Classification according to VbF

Vbf; the product is not subject to the German "Flammable Liquids Ordinance"

According to TA Luft

Not applicable

Water hazard class

1 slightly polluting substance (KBws)

Other regulations, limitations and prohibitive regulations

No information available

Section 16: Other information

Change compared to the last version

None

Hazard statements related to section 2 and 3 in accordance with the regulation (EG)Nr.:1272/2008:

Eye Irrit. 2; H319- cat. 2; Causes serious eye irritation

Recommended uses and restrictions

Salt for maritime climate device

Literature references and sources for data

Safety data sheets for raw materials

REACH Regulation 1907/2006/EC

CLP Regulation (EC) No 1272/2008

Additional information

The information is based on the current state of our knowledge. However, they do not constitute an assurance of product properties and do not establish a legal relationship.

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The user of this product is obliged to hand over to all persons, who come into contact with the product, the information necessary for occupational safety, environmental and health protection in the form of this safety information sheet.