

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



Date of issue: 03.08.2017
Print date: 29.08.2017 Version 2.7

Product No. 28735 4

Product name Claramat Speziatsalz

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

1.1 Product identifier

Product No.: 28735 4

Product name: Claramat Speziatsalz

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Compacted vacuum salt for water softening

1.3 Details of the supplier of the safety data sheet

Regional representation Südwestdeutsche Salzwerke AG * Salzgrund 67
74076 Heilbronn/Deutschland
Telefon: (0 71 31) 959-0
Telefax: (0 71 31) 959-177

Responsible Department Quality assurance and process management
Telefon: +49 71 31 959-117

1.4 Emergency number +49 151 / 14 80 61 07

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union legislation.

2.1.1 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

Labeling (67/548/EEC or 1999/45/EC)

The product does not need to be labeled in accordance with EC directives or respective national laws.

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SECTION 3. Composition/information on ingredients

Formula	NaCl
CAS-No.	7647-14-5
EC-No.	231-598-3
Mass	58,44 g/mol

Remarks: No dangerous ingredients according to Regulation (EC).

SECTION 4. First aid measures

4.1 Description of first aid measures

<i>After inhalation</i>	Fresh air.
<i>After skin contact</i>	Wash off with plenty of water. Remove contaminated clothing.
<i>After eye contact</i>	Rinse out with plenty of water.
<i>After swallowing</i>	Make victim drink water. Consult doctor, if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

Nausea, Vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

<i>Suitable extinguishing media</i>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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<i>Unsuitable extinguishing media</i>	For this substance/mixture no limitations of extinguishing agents are given.
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5.2 Special hazards arising from the substance or mixture

Not combustible.

5.3 Advice for firefighters

Prevent fire extinguishing water from contaminating surface or ground water system.

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SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

6.2 Environmental precautions

Do not empty into drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Dry. No restrictions for storage temperature.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment (see section 7.1).

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective

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equipment should be enquired at the respective supplier.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

Eye/face protection

Wear safety glasses.

Hand protection

Full contact and splash contact	Glove material:	Nitrile rubber
	Glove thickness:	0,11 mm
	Break through time:	> 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Respiratory protection

Required when dusts are generated.

Environmental exposure controls

Do not empty into drains.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	solid.
Colour	colourless.
Odour	odourless.
Odour treshold	Not applicable.
pH value	6 – 8 at 50 g/L 20 °C.
Melting point	801 °C.
Boiling point/boiling range	1.461 °C at 1.013 hPa.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammibility (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.

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Vapour pressure	1.3 hPa at 865 °C.
Relative vapour density	No information available.
Relative density	2.17 g/cm ³ at 20 °C.
Water solubility	358 g/L at 20°C.
Partition coefficient: n-octanol/water	No information available.
Autoignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	Not classified as explosive.
Oxidizing properties	None.

9.2 Other data

Ignition temperature	Not applicable.
Bulk density	ca. 1.14 kg/dm ³

SECTION 10. Stability and reactivity

10.1 Reactivity

See section 10.3.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Exothermic reaction with alkali metals.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11. Toxicological information

Acute oral toxicity

Rat

LD50; 3,000 mg/kg (RTECS).

Acute dermal toxicity

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Rabbit	LD50; 10,000 mg/kg (RTECS).
<i>Eye irritation</i> Rabbit	slight irritation (IUCLID).
<i>Genotoxicity in vitro</i> Mutagenicity (mammal cell test)	micronucleus: Result: negative (IUCLID). Ames test Result: negative (IUCLID).
<i>CMR effects</i> Carcinogenicity	Did not show carcinogenic effects in animal experiments.
Mutagenicity	Animal testing did not show any mutagenic effects.
Teratogenicity	Did not show teratogenic effects in animal experiments.
Reproductive toxicity	No impairment of reproductive performance suspected.
<i>Specific target organ toxicity - single exposure</i> The substance or mixture is not classified as specific target organ toxicant, single exposure.	
<i>Specific target organ toxicity - repeated exposure</i> The substance or mixture is not classified as specific target organ toxicant, repeated exposure.	
<i>Aspiration hazard</i> Based on available data the classification criteria are not met.	

11.2 Further information

<i>Systemic effects</i>	After swallowing of large amounts: Nausea, Vomiting.
<i>Further data</i>	No toxic effects are to be expected when the product is handled appropriately.

SECTION 12. Ecological information

12.1 Toxicity

<i>Toxicity to fish</i>	LC50; Pimephales promelas (fathead minnow): 7,650 mg/l; 96 h (IUCLID).
<i>Toxicity to daphnia and other aquatic invertebrates</i>	EC50; Daphnia magna (Water flea): 1,000 mg/l; 48 h (IUCLID).

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12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13. Disposal considerations

Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

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

EU regulations

Major Accident Hazard Legislation	96/82/EC. Directive 96/82/EC does not apply.
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National legislation

Storage class	10 – 13.
Water contaminating class	WGK 1 slightly water endangering.

15.2 Chemical Safety Assessment

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

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SECTION 16. Other information

Sodium chloride is not classified as hazardous substance according to EC Directive 67/548/EEC; therefore, no legal liability exists for sodium chloride to provide a safety data sheet. Nevertheless in respect to the increasing demand of our customers for information we make this safety data sheet available.

This information only concerns the above mentioned product and does not need to be valid if used with other products or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the users' own responsibility to make sure that the information is appropriate and complete for his special use of this product.
