

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nordlandsalz KSL 318

Revision: 9/10/2026

Product code: KSL0053

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

1.1. Product identifier

Nordlandsalz KSL 318

UFI: AP20-V05C-M00X-A6AN; EY00-R0CE-H001-3CPC

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

Use of the substance/mixture

Test dust

1.3. Details of the supplier of the safety data sheet

Company name: KSL staubtechnik gmbh
 Street: Westendstraße 11
 Place: D-89415 Lauingen
 Telephone: +49 (0) 9072 95 00-0 Telefax: +49 (0) 9072 95 00-50
 E-mail: info@ksl-staubtechnik.de
 Contact person: Dr. R. Stadler Telephone: +49 (0) 9072 95 00-0
 E-mail (Contact person): info@ksl-staubtechnik.de
 Internet: www.ksl-staubtechnik.de

1.4. Emergency telephone number:

+49 (0) 9072 / 95 00-0 (Availability: Mon-Thu 08:00-16:00, Fri 08:00-12:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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

No further details are available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			

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CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7647-14-5	sodium chloride			95 %
	231-598-3			
10035-04-8	calcium chloride dihydrate			2,5 %
	233-140-8			
	Eye Irrit. 2; H319			
7791-18-6	Magnesium chloride hexahydrate			2,5 %
	232-094-6			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
7647-14-5	231-598-3	sodium chloride	95 %
	dermal: LD50 = >10000 mg/kg; oral: LD50 = 3000 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing. If symptoms persist, it is advisable to consult a doctor. Tell the doctor what substance/product was involved and what measures were taken.

After inhalation

Provide fresh air.

After contact with skin

In case of skin irritation, consult a physician. Wash with plenty of water/soap.

After contact with eyes

With the eyelids open, rinse gently with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, it is advisable to consult a doctor.

After ingestion

Make sure they drink plenty of water; consult a doctor if they feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Eyes: Irritation, watery eyes, redness, blurred vision

skin: Irritation may occur on contact with damp skin. Repeated contact may cause the skin to become dry or cracked.

inhalation : Nasal irritation.

oral : Irritation of the mouth and throat. May cause nausea and vomiting if large quantities are swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water spray , Foam , Dry extinguishing powder , Carbon dioxide (CO2)

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

Non-flammable.

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5.3. Advice for firefighters

Fight fire with normal precautions from a reasonable distance. In case of fire: Wear self-contained breathing apparatus. Do not allow fire-fighting water to enter surface water or groundwater systems.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear protective clothing as described in Section 8. Follow the instructions for safe handling as described in Section 7.

For emergency responders

Contingency plans are not required.

6.2. Environmental precautions

Prevent it from entering the sewer system or surface water and groundwater.

6.3. Methods and material for containment and cleaning up

For containment

Covering the manhole covers.

For cleaning up

Take up mechanically, placing in appropriate containers for disposal.

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

Advice on safe handling

Do not allow to enter waterways, sewage systems or the ground.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wear a dust mask and safety goggles in dusty atmospheres.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a dry place, tightly sealed, preferably in the original container. at room temperature

Further information on storage conditions

Store containers in a dry place.

Use of local and general ventilation.

7.3. Specific end use(s)

No additional information is available for the specific end uses (see section 1.2).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable working methods take precedence over the use of personal protective equipment. Ventilate as needed to control dust in the air. Use a ventilation system if there is a high

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concentration of dust in the air.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear closed safety goggles in accordance with EN 166 if dust is generated.

Hand protection

Gloves according to EN 374 are recommended. The glove material must be impermeable and resistant to the product, substance or preparation.

Skin protection

Take recovery periods for skin regeneration. Preventative skin protection (protective creams/ointments) is recommended.

Hygiene measures: Do not eat, drink or smoke at work. Wash hands and shower if necessary before breaks and at the end of work. Avoid contact with eyes and skin. After work, workers should wash or shower and use skin care products. Clean contaminated clothing, shoes, watches, etc. before reuse.

Respiratory protection

Respiratory protection necessary at: Occurrence of dust

Environmental exposure controls

Prevent it from entering the sewer system or surface water and groundwater.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	solid
Colour:	colourless
Odour:	odourless
Odour threshold:	not applicable
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	no data available
pH-Value (at 20 °C):	4,5-7,5 (100 g/l)
Viscosity / kinematic:	not applicable
Water solubility:	water-soluble
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	not determined
Relative density:	not determined
Relative vapour density:	not applicable
Particle characteristics:	X50 value: 1µm - 1000µm

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

The product is not: Explosive.

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Oxidizing properties
not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

This material is stable under normal ambient conditions and under the temperature and pressure conditions to be expected during storage and handling.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Alkali metals possible.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

strong oxidising agents , Reducing agent , Vinyl methyl ether

10.6. Hazardous decomposition products

At temperatures above 260°C, gaseous HCl is released; at temperatures above 300°C, chlorine is released.

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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7647-14-5	sodium chloride				
	oral	LD50 3000 mg/kg	Rat	Supplier	
	dermal	LD50 >10000 mg/kg	Rabbit	Supplier	

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Practical experience

Severe Irritation of the eyes or respiratory tract due to foreign bodies is possible.

11.2. Information on other hazards

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Endocrine disrupting properties

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

Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Further information

Swallowing large quantities may cause nausea or vomiting.

SECTION 12: Ecological information**12.1. Toxicity**

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
7647-14-5	sodium chloride					
	Acute fish toxicity	LC50 7650 mg/l	96 h	Pimephales promelas (fathead minnow)	Supplier	
	Acute crustacea toxicity	EC50 1000 mg/l	48 h	Daphnia pulex (water flea)	Supplier	
7791-18-6	Magnesium chloride hexahydrate					
	Acute fish toxicity	LC50 2,12 mg/l	96 h	Pimephales promelas (fathead minnow)	Data arise from reference works and literature.	
	Acute crustacea toxicity	EC50 2,2-3,9 mg/l	48 h	Daphnia magna (Big water flea)	Data arise from reference works and literature.	

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

Does not significantly accumulate in organisms.

12.4. Mobility in soil

No data available as no data is available from the raw material supplier.

12.5. Results of PBT and vPvB assessment

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

No data available as no data is available from the raw material supplier.

12.6. Endocrine disrupting properties

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

No data available as no data is available from the raw material supplier.

12.7. Other adverse effects

slightly hazardous to water .

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Product residues must be disposed of in accordance with the Waste Framework Directive 2008/98/EC and national and regional regulations. Keep chemicals in their original containers. Do not mix with other wastes. Uncleaned containers must be handled in accordance with the product. Do not allow to enter into surface water or drains.

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Contaminated packaging

010410 - dusty and powdery waste

150106 - mixed packaging according to material recycling

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste must be sorted in such a way that it can be processed separately by local or national waste management facilities. Please observe the relevant national or regional regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Downstream user conditions or monitoring arrangements:

The product is not subject to the registration requirements of EC Regulation 1907/2006 (REACH).

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

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Additional information

TRGS 500, Technische Anleitung zur Reinhaltung der Luft (TA-Luft) , Regulation on occupational health care (ArbMedVV) , BG principles for occupational health check-ups

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Eye Irrit. 2: Eye irritation, hazard category 2
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 EC/EEC: European Community/European Economic Community
 EU: European Union
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 M-factor: Multiplying factor
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 DGR: Dangerous Goods Regulations
 ICAO: International Civil Aviation Organization
 TI: Technical Instructions
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Key literature references and sources for data

We refer to information provided by raw material suppliers/manufacturers and the ECHA database on classification and labelling as sources for the most important data and technical information.

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

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Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.

Further Information

The information in this safety data sheet describes the safety requirements of our product and 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. This safety data sheet is intended solely as a source of information for the user. It has been compiled with the utmost care; however, no guarantee can be given for the accuracy of the data, nor can any liability be accepted for the consequences of printing, typesetting or transmission errors. Existing laws, regulations and rules, including those not mentioned in this data sheet, must be observed by the recipient of our products on their own responsibility.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)