

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Sodium chloride NaCl in accordance with DIN EN ISO 9227**

Revision: 3/16/2026

Product code: KSL0027

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Sodium chloride NaCl in accordance with DIN EN ISO 9227

Substance name: sodium chloride  
CAS No: 7647-14-5  
EC No: 231-598-3

**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**

This substance is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements****Hazard components for labelling**

Not subject to labelling according to Regulation (EC) No 1272/2008.

**Additional advice on labelling**

Label elements: none.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Sum formula: NaCl  
Molecular weight: 58,4408 g/mol

**Relevant ingredients**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7647-14-5	sodium chloride			100%
	204-673-3			

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

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
7647-14-5	204-673-3	sodium chloride	100%
		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**

Wash off with soap and water. In case of skin irritation, consult a physician.

**After contact with eyes**

With the eyelids open, rinse gently with plenty of water for several minutes. If symptoms persist, it is advisable to consult a doctor.

**After ingestion**

If swallowed, immediately drink: Call a doctor if you feel 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**

none

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

There are no restrictions on extinguishing agents for this substance.

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

**5.3. Advice for firefighters**

Fight fire with normal precautions from a reasonable distance. Self-contained respirator (breathing apparatus) Do not allow fire-fighting water to enter surface water or groundwater systems.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Avoid dust formation. Do not breathe dust.

**For non-emergency personnel**

Avoid breathing dust/mist. Clear the danger zone, follow the emergency plan, and call in an expert.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. No special environmental measures are necessary. Clean

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contaminated articles and floor according to the environmental legislation.

### **6.3. Methods and material for containment and cleaning up**

#### **For containment**

Covering the manhole covers.

#### **For cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste 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**

No special measures are necessary.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

#### **Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. 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 containers in a dry place. Store in a dry place, tightly sealed, preferably in the original container. Use of local and general ventilation.

#### **Further information on storage conditions**

There are no restrictions on storage temperature.

### **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 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.

Suitable material: NBR (Nitrile rubber)

Material thickness: >0,11 mm

Breakthrough time: >480 min.

Take recovery periods for skin regeneration.

Preventative skin protection (protective creams/ointments) is recommended.

##### **Skin protection**

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Use of protective clothing.

### Respiratory protection

Respiratory protection necessary at: Occurrence of dust

### Thermal hazards

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.

### 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:	no data available
Melting point/freezing point:	801 °C
Boiling point or initial boiling point and boiling range:	1461° C bei 1013 hPa °C
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):	5 - 7 in 100 g/l Water
Viscosity / kinematic:	not applicable
Water solubility (at 20 °C):	Water solubility 358 g/l
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	no data available
Vapour pressure (at 865 °C):	1,3 hPa
Density:	2,16 g/cm <sup>3</sup>
Relative density (at 20 °C):	2,17 g/cm <sup>3</sup>
Relative vapour density:	not applicable
Particle characteristics:	0-1 mm

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

#### Further Information

bulk density : ca. 1,14 kg/dm<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

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### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Alkali metals

### 10.4. Conditions to avoid

none

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## 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.

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

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

Serious eye damage/eye 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.

### 11.2. Information on other hazards

#### Other information

The substance is classified as not 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.

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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	

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

The product has not been tested.

### 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

### 12.7. Other adverse effects

slightly hazardous to water . Discharge into the environment must be avoided.

### Further information

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Do not mix with other wastes. Uncleaned containers must be handled in accordance with the product. Keep chemicals in their original containers.

010410 - dusty and powdery waste

Discuss the exact waste code with the waste disposal company.

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

150106 - mixed packaging according to material recycling

## 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)

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- 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

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

##### Additional information

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

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

### SECTION 16: Other information

#### Abbreviations and acronyms

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

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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.

## 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.