

# SODIUM CHLORIDE

## Safety Data Sheet

Date of issue: 16/01/2024

Revision date: 16/01/2024

Version: #2

### SECTION 1: Identification

#### 1.1. Identification

**Product name** : Sodium Chloride >99,8%  
**EC number** : 231-598-3  
**CAS-No.** : 7647-14-5  
**Formula** : NaCl

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

**Relevant identified uses** : Laboratory chemical  
Laboratory and analytical use  
**Uses advised against** : Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household).

#### 1.3. Supplier

FARSA Group Ltd  
[Sales@farsagroup.az](mailto:Sales@farsagroup.az)

#### 1.4. Emergency contacts

**Emergency number** : +994512707856

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

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

This substance does not meet the criteria for classification in accordance with Regulation No 1272/ 2008/EC.

#### 2.2. Label elements

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

Not required

#### 2.3. Other hazards

**Results of PBT and vPvB assessment** : According to the results of its assessment, this substance is not a PBT or a vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

<b>Name of substance</b>	Sodium Chloride
<b>Molecular formula</b>	NaCl
<b>Molar mass</b>	58,44 g/mol
<b>CAS No</b>	7647-14-5
<b>EC No</b>	231-598-3

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

**General notes** : No special measures are necessary.  
**Following inhalation** : Provide fresh air.  
**Following skin contact** : Brush off loose particles from skin.  
**Following eye contact** : Rinse cautiously with water for several minutes

# SODIUM CHLORIDE

## Safety Data Sheet

Following ingestion : Rinse mouth. Call a doctor if you feel unwell.

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

Symptoms and effects are not known to date.

### 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 firefighting measures to the fire surroundings  
water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

**Unsuitable extinguishing media** : Water jet

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

Non-combustible

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No special measures are necessary.

### 6.2. Environmental precautions

Keep away from drains, surface and ground water.

### 6.3. Methods and materials for containment and cleaning up

**Advice on how to contain a spill** : Covering of drains. Take up mechanically.

**Advice on how to clean up a spill** : Take up mechanically

**Other information** : Place in appropriate containers for disposal.

### 6.4. Reference to other section

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling** : No special measures are necessary.

**Advice on general occupational hygiene** : Keep away from food, drink and animal feeding stuffs.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage** : Store in a dry place.

**Incompatible substances or mixtures** : Observe hints for combined storage.

**Specific designs for storage rooms or vessels** : Recommended storage temperature: 15 – 25 °C

### 7.3. Specific end use(s)

No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Human health values

Relevant DNELs and other threshold levels				
Endpoint	Thresholdlevel	Protection goal, route of exposure	Used in	Exposure time
DNEL	2.069 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	2.069 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic effects
DNEL	295,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
DNEL	295,5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects

# SODIUM CHLORIDE

## Safety Data Sheet

### Environmental values

Relevant PNECs and other threshold levels				
End-point	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	5 mg/l	aquatic organisms	freshwater	short-term (single instance)
PNEC	500 mg/l	aquatic organisms	sewage treatment plant(STP)	short-term (single instance)
PNEC	4,86 mg/kg	terrestrial organisms	soil	short-term (single instance)

### 8.2. Exposure controls

Eye/face protection



Skin protection



Hand protection

: Hand protection is not required.

Respiratory protection



Environmental exposure controls

: Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1. Appearance

Physical state	Solid	pH (value)	5 – 7 (in aqueous solution: 100 g/l, 20 °C)
Form	Crystalline	Kinematic viscosity	Not relevant
Colour	Colourless	Water solubility	317 g/l at 20 °C (ECHA)
Odour	Odourless	Partition coefficient n-octanol/water (log value)	Not relevant (inorganic)
Melting/freezing point	801 °C at 1 atm (ECHA)	Vapour pressure	Not determined
Boiling point or initial boiling point and boiling range	>1.450 °C	Density	2,17 g/cm <sup>3</sup> at 20 °C
Flammability	non-combustible	Relative vapour density	Not data available
Lower/upper explosion limit	not determined	Auto-ignition temperature	No information available
Flash point	not applicable	Bulk density	~1.140 kg/m <sup>3</sup>
Auto-ignition temperature	Not determined	Particle characteristics	No data available
Decomposition temperature	Not relevant		

### 9.2. Other information

Information with regard to physical hazard classes : hazard classes acc. to GHS (physical hazards): not relevant

Surface tension : 73,03 mN/m (23 °C) (ECHA)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is not reactive under normal ambient conditions.

### 10.2. Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3. Possibility of hazardous reaction

No known hazardous reactions.

### 10.4. Conditions to avoid

There are no specific conditions known which have to be avoided.

# SODIUM CHLORIDE

## Safety Data Sheet

### 10.5. Incompatible materials

There is no additional information.

### 10.6. Hazardous decomposition products

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Classification according to GHS (1272/2008/EC, CLP)

This substance does not meet the criteria for classification in accordance with Regulation No 1272/ 2008/EC.

#### Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity					
Exposure route	Endpoint	Value	Species	Method	Source
oral	LD50	3.000 mg/kg	rat		TOXNET
dermal	LD50	>10.000 mg/kg	rabbit		TOXNET

<b>Skin corrosion/irritation</b>	: Shall not be classified as corrosive/irritant to skin.
<b>Serious eye damage/eye irritation</b>	: Shall not be classified as seriously damaging to the eye or eye irritant.
<b>Respiratory or skin sensitisation</b>	: Shall not be classified as a respiratory or skin sensitizer.
<b>Germ cell mutagenicity</b>	: Shall not be classified as germ cell mutagenic.
<b>Carcinogenicity</b>	: Shall not be classified as carcinogenic.
<b>Reproductive toxicity</b>	: Shall not be classified as a reproductive toxicant.
<b>Specific target organ toxicity-single exposure</b>	: Shall not be classified as a specific target organ toxicant (single exposure).
<b>Specific target organ toxicity-repeated exposure</b>	: Shall not be classified as a specific target organ toxicant (repeated exposure).
<b>Aspiration hazard</b>	: Shall not be classified as presenting an aspiration hazard.

#### Symptoms related to the physical, chemical and toxicological characteristics

<b>If swallowed</b>	: Vomiting, nausea, excessive thirst.
<b>If in eyes</b>	: Data are not available.
<b>If inhaled</b>	: Data are not available.
<b>If on skin</b>	: Data are not available.
<b>Other information</b>	: None

### 11.2. Endocrine disrupting properties

Not listed

### 11.3. Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1. Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)				
Endpoint	Value	Species	Source	Exposure time
LC50	5.840 mg/l	fish	ECHA	96 h

Aquatic toxicity (chronic)				
Endpoint	Value	Species	Source	Exposure time
EC50	2.430 mg/l	algae	ECHA	120 h

<b>Biodegradation</b>	: The methods for determining the biological degradability are not applicable to inorganic substances.
-----------------------	--

### 12.2. Process of degradability

Data are not available.

# SODIUM CHLORIDE

## Safety Data Sheet

### 12.3. Bioaccumulative potential

Data are not available.

### 12.4. Mobility in soil

Data are not available

### 12.5. Results of PBT and vPvB assessment

Data are not available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** : Consult the appropriate local waste disposal expert about waste disposal.  
**Sewage disposal-relevant information** : Do not empty into drains.

### 13.2. Relevant provisions relating to waste

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

### 13.3. Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

### 14.1. UN number

Not subject to transport regulations.

### 14.2. UN proper shipping name

Not assigned.

### 14.3. Transport hazard class(es)

None.

### 14.4. Packing group

Not assigned.

### 14.5. Environmental hazards

Non-environmentally hazardous acc. to the dangerous goods regulations.

### 14.6. Special precautions for user

The cargo is not intended to be carried in bulk.

## SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)** : Not listed

**Restrictions according to REACH, Annex XVII**

**List of substances subject to authorization (REACH, Annex XIV)/SVHC - candidate list** : Not listed

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

None

### Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text