

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Date of issue: 09/01/2014 Revision date: 12/07/2023 Supersedes version of: 12/07/2022 Version: 1.4

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

Product form : Substance  
Trade name : Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR  
IUPAC name : sodium chloride  
EC-No. : 231-598-3  
CAS-No. : 7647-14-5  
Product code : SOCH-OSA  
Formula : NaCl

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Laboratory use

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

labbox labware s.l.  
Migjorn, 1  
P.O. Box Barcelona (SPAIN)  
08338 Premia de Dalt, SPAIN  
ES  
T +34 937 07 79 70, F +34 937 909 532  
[info@labbox.com](mailto:info@labbox.com), [www.labbox.com](http://www.labbox.com)

**1.4. Emergency telephone number**

Emergency number : +34 937 077 970 (For technical information\_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

| Country/Area   | Organisation/Company   | Address                    | Emergency number | Comment |
|----------------|--|----------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital | Grosvenor Road<br>BT12 6BA | 0344 892 0111    |         |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

PBT: not relevant – no registration required

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type : Mono-constituent

| Name            | Product identifier                      | %      |
|-----------------|---|--------|
| Sodium chloride | CAS-No.: 7647-14-5<br>EC-No.: 231-598-3 | > 99,9 |

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.  
First-aid measures after inhalation : Allow affected person to breathe fresh air. If you feel unwell, seek medical advice.  
First-aid measures after skin contact : Gently wash with plenty of soap and water.  
First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Rinse mouth. Drink plenty of water. If you feel unwell, seek medical advice.

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

Symptoms/effects after eye contact : mild eye irritation.  
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting.

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

Never give anything by mouth to an unconscious person.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Sand. Carbon dioxide. Foam. Dry powder.  
Unsuitable extinguishing media : Strong water jet.

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

Hazardous decomposition products in case of fire : Chlorine.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

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### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers.

### 6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid dust formation.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place.

### 7.3. Specific end use(s)

Laboratory chemicals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR (7647-14-5) |                             |
|---|-----------------------------|
| <b>DNEL/DMEL (Workers)</b>  |                             |
| Acute - systemic effects, dermal  | 295,52 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation  | 2068,62 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal  | 295,52 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation  | 2068,62 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>   |                             |
| Acute - systemic effects, dermal  | 126,65 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation  | 443,28 mg/m <sup>3</sup>    |
| Acute - systemic effects, oral  | 126,65 mg/kg bodyweight/day |
| Long-term - systemic effects, oral  | 126,65 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation  | 443,28 mg/m <sup>3</sup>    |

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|---|-----------------------------|
| Long-term - systemic effects, dermal  | 126,65 mg/kg bodyweight/day |
| <b>PNEC (Water)</b>   |                             |
| PNEC aqua (freshwater)  | 5 mg/l                      |
| PNEC aqua (intermittent, freshwater)  | 19                          |
| <b>PNEC (Soil)</b>  |                             |
| PNEC soil   | 4,86 mg/kg dwt              |
| <b>PNEC (STP)</b>   |                             |
| PNEC sewage treatment plant   | 500 mg/l                    |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

EN 374.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

| Eye protection |                       |                 |          |
|----------------|-----------------------|-----------------|----------|
| Type           | Field of application  | Characteristics | Standard |
| Safety glasses | particulates and dust |                 |          |

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Protective clothing

| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Protective clothing      |          |

**Hand protection:**

Protective gloves against chemicals (EN 374)

| Hand protection |                      |            |                |             |          |
|-----------------|----------------------|------------|----------------|-------------|----------|
| Type            | Material             | Permeation | Thickness (mm) | Penetration | Standard |
|                 | Nitrile rubber (NBR) |            |                |             |          |

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear respiratory protection.

| Respiratory protection |             |           |          |
|------------------------|-------------|-----------|----------|
| Device                 | Filter type | Condition | Standard |
| filtering face piece   |             |           |          |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Solid                                      |
| Colour  | : white.                                     |
| Odour   | : odourless.                                 |
| Odour threshold                                 | : Not available                              |
| Melting point                                   | : 801 °C Atm. press.: 1 atm                  |
| Freezing point                                  | : Not available                              |
| Boiling point                                   | : 1413 °C                                    |
| Flammability                                    | : Not available                              |
| Explosive properties                            | : Product is not explosive.                  |
| Lower explosion limit                           | : Not applicable                             |
| Upper explosion limit                           | : Not applicable                             |
| Flash point                                     | : Not applicable                             |
| Auto-ignition temperature                       | : Not applicable                             |
| Decomposition temperature                       | : Not available                              |
| pH  | : 4,5 – 7                                    |
| pH solution                                     | : Not available                              |
| Viscosity, kinematic                            | : Not applicable                             |
| Solubility                                      | : Water: 358 g/l (20 °C)                     |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |
| Partition coefficient n-octanol/water (Log Pow) | : -3   |
| Vapour pressure                                 | : 865 hPa                                    |
| Vapour pressure at 50 °C                        | : Not available                              |
| Density   | : Not available                              |
| Relative density                                | : 2,16 Type: 'relative density' Temp.: 25 °C |
| Relative vapour density at 20 °C                | : Not applicable                             |
| Particle size                                   | : Not available                              |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

alkali metals.

#### 10.6. Hazardous decomposition products

Chlorine.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

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|                    |   |
|--------------------|---|
| LD50 oral rat      | 3000 mg/kg                              |
| LD50 dermal rabbit | > 10000 mg/kg bodyweight Animal: rabbit |

Skin corrosion/irritation : Not classified  
pH: 4,5 – 7  
Serious eye damage/irritation : Not classified  
pH: 4,5 – 7  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : Not applicable

##### 11.2.2. Other information

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

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|                 |   |
|-----------------|---|
| LC50 - Fish [1] | 5840 mg/l Test organisms (species): Lepomis macrochirus           |
| ErC50 algae     | 1000 mg/l   |
| LOEC (chronic)  | 441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |
| NOEC (chronic)  | 314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |

#### 12.2. Persistence and degradability

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|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

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|   |    |
|---|----|
| Partition coefficient n-octanol/water (Log Pow) | -3 |
|---|----|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

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|  |
|--|
| PBT: not relevant – no registration required |
|--|

#### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Not applicable.

#### 12.7. Other adverse effects

Other adverse effects : Do not discharge into drains or rivers.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Must follow special treatment according to local regulation.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

Not regulated for transport

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### 14.2. UN proper shipping name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (ADR)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |
| Proper Shipping Name (ADN)  | : Not regulated |
| Proper Shipping Name (RID)  | : Not regulated |

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

#### ADN

Transport hazard class(es) (ADN) : Not regulated

#### RID

Transport hazard class(es) (RID) : Not regulated

### 14.4. Packing group

|                      |                 |
|----------------------|-----------------|
| Packing group (ADR)  | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |
| Packing group (ADN)  | : Not regulated |
| Packing group (RID)  | : Not regulated |

### 14.5. Environmental hazards

Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable



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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

No REACH Annex XVII restrictions

###### REACH Annex XIV (Authorisation List)

Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR is not on the REACH Annex XIV List

###### REACH Candidate List (SVHC)

Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR is not on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

###### POP Regulation (Persistent Organic Pollutants)

Sodium chloride for salt spray chamber ASTM B117-19 / ISO-9227:2023 AGR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

###### Ozone Regulation (1005/2009)

{0} is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

###### Dual-Use Regulation (428/2009)

Not listed on the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

###### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

###### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### 15.1.2. National regulations

###### France

| Occupational diseases |   |
|-----------------------|---|
| Code                  | Description   |
| RG 78                 | Diseases caused by sodium chloride in salt mines and their dependencies |

###### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 270).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

###### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

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### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.