

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: Sodium Chloride  
CAS number: 7647-14-5  
Synonyms: Salt

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

Identified Uses: Laboratory chemicals, Synthesis of substances.

#### 1.3 Details of the supplier of the safety data sheet

Company : Lab Alley, LLC  
22111 Highway 71 West, Suite 601  
Spicewood, Texas 78669  
U.S.A.

Telephone : 512-668-9918  
Fax : 512-886-4008

#### 1.4 Emergency telephone

**Emergency Phone #** : US & Canada: 1-800-535-5053      INFOTRAC  
International 1-352-323-3500      INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a hazardous substance or mixture.

## 2.2 GHS Label elements, including precautionary statements

|                             |                                       |
|-----------------------------|---------------------------------------|
| Pictogram:                  | Not a hazardous substance or mixture. |
| Signal Word:                | Not a hazardous substance or mixture. |
| Hazard statement(s):        | Not a hazardous substance or mixture. |
| Precautionary statement(s): | Not a hazardous substance or mixture. |

### Hazards not otherwise classified

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

|                                 |  |
|---------------------------------|--|
| <b>General advice:</b>          | Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.   |
| <b>If inhaled:</b>              | After inhalation: fresh air.   |
| <b>In case of eye contact:</b>  | Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.   |
| <b>In case of skin contact:</b> | Take off immediately all contaminated clothing. Rinse skin with water/ shower.   |
| <b>In case of ingestion:</b>    | Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable (and unsuitable) extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Specific hazards arising from the substance or mixture**

Hydrogen chloride gas. Sodium oxides. Not combustible. Ambient fire may liberate hazardous vapors.

**5.3 Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**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. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter 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 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**6.4 Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

For personal protection see Section 8. Provide appropriate exhaust ventilation at places where dust is formed.

**Hygiene measures**

General industrial hygiene practice. Smoking, eating and drinking should be prohibited in the application area.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Electrical installations/working materials must comply with the technological safety standards. Storage conditions - tightly closed and dry.

## SECTION 8. Exposure controls/personal protection

### 8.1 Occupational exposure limits

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

##### Skin and body protection

Protective suit.

##### Respiratory protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

##### Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                          |
|--|--------------------------|
| <b>Physical State</b>                  | Solid.                   |
| <b>Appearance</b>                      | White Crystalline Solid. |
| <b>Odor</b>                            | Odorless.                |
| <b>Odor Thresh</b>                     | Not available.           |
| <b>pH</b>                              | 7.                       |
| <b>Melting Point/Range</b>             | Not available.           |
| <b>Boiling Point/Range</b>             | Not available.           |
| <b>Flash Point</b>                     | Not applicable.          |
| <b>Evaporation Rate</b>                | Not available.           |
| <b>Flammability (solid, gas)</b>       | Not available.           |
| <b>Flammability or explosive limit</b> |                          |
|  | <b>Upper</b> : NA        |
|  | <b>Lower</b> : NA        |

|   |                 |
|---|-----------------|
| <b>Vapor Pressure</b>                         | Not available.  |
| <b>Vapor Density</b>                          | Not available.  |
| <b>Density</b>                                | 2.165 (water=1) |
| <b>Solubility</b>                             | Not available.  |
| <b>Partition coefficient; n-octanol/water</b> | Not available.  |
| <b>Autoignition Temp</b>                      | Not available.  |
| <b>Decomposition Temp</b>                     | Not available.  |
| <b>Viscosity</b>                              | Not available.  |
| <b>Molecular Formula</b>                      | NaCl            |
| <b>Molecular Weight</b>                       | 58.44           |
| <b>VOC Content(%)</b>                         | Not available.  |
| <b>Oxidizing properties</b>                   | None.           |

## 9.2 Other safety information

None.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

Risk of explosion/exothermic reaction with: Alkali metals; Exothermic reaction with: Lithium.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Bromine trifluoride, copper, copper alloys. lithium, nickel, strong oxidizing agents, zinc, aluminum.

### 10.6 Hazardous decomposition products

In the event of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Oral: No data available

Inhalation: No data available

LD50 Dermal - Rabbit - > 10,000 mg/kg

Remarks: (RTECS)

No data available

### **Skin corrosion/irritation**

Skin - Rabbit  
Result: No skin irritation  
Remarks: (ECHA)

### **Serious eye damage/eye irritation**

Eyes - Rabbit  
Result: No eye irritation  
Remarks: (ECHA)

### **Respiratory or skin sensitization**

No data available.

### **Germ cell mutagenicity**

Animal testing did not show any mutagenic effects.  
Test Type: Ames test  
Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

### **Carcinogenicity**

Did not show carcinogenic effects in animal experiments.

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### **Reproductive toxicity**

Did not show teratogenic effects in animal experiments. No impairment of reproductive performance suspected.

### **Specific target organ toxicity - single exposure**

No data available.

### **Specific target organ toxicity - repeated exposure**

No data available.

### **Aspiration hazard**

No data available

### **Chronic effects**

No data available.

## **11.2 Additional information**

Vomiting, Diarrhea, Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract., Nausea To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12. Ecological information

### 12.1 Toxicity

#### Ecotoxicity:

|   |  |
|---|--|
| Toxicity to fish  | flow-through test LC50 - <i>Lepomis macrochirus</i> (Bluegill) - 5,840 mg/l - 96 h<br>Remarks: (ECHA)  |
| Toxicity to daphnia and other aquatic invertebrates                   | static test EC50 - <i>Daphnia magna</i> (Water flea) - 874 mg/l - 48 h Remarks: (ECHA)<br>static test LC50 - <i>Daphnia magna</i> (Water flea) - 4,136 mg/l - 48 h (OECD Test Guideline 202) |
| Toxicity to algae   | static test EC50 - <i>Nitzschia</i> sp. - 2,430 mg/l - 120 h<br>(OECD Test Guideline 201)  |
| Toxicity to fish(Chronic toxicity)                                    | flow-through test NOEC - <i>Pimephales promelas</i> (fathead minnow) - 252 mg/l - 33 d<br>(OECD Test Guideline 210)  |
| Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity) | semi-static test NOEC - <i>Daphnia pulex</i> (Water flea) - 314 mg/l - 21 d<br>(OECD Test Guideline 211)   |

### 12.2 Persistence and Degradability

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

### 12.3 Bioaccumulative Potential

No data available.

### 12.4 Mobility in Soil

No data available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

Discharge into the environment must be avoided.

## SECTION 13. Disposal considerations

### 13.1 Waste Disposal Methods

Dispose of in accordance with all applicable local, state and federal regulations. Leave chemicals in original containers. No mixing with other waste. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

|                  |                     |
|------------------|---------------------|
| <u>DOT</u>       | Not Dangerous Goods |
| <u>TDG</u>       | Not Dangerous Goods |
| <u>IMDG</u>      | Not Dangerous Goods |
| <u>IATA/ICAO</u> | Not Dangerous Goods |

## SECTION 15: Regulatory information

### SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA Hazards

### Massachusetts Right To Know Components

|                 | CAS-No.   |
|-----------------|-----------|
| sodium chloride | 7647-14-5 |

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

### The components of this product are reported in the following inventories:

|       |  |
|-------|--|
| TSCA  | : On TSCA Inventory                                      |
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : On the inventory, or in compliance with the inventory  |
| NZIoC | : On the inventory, or in compliance with the inventory  |
| ENCS  | : On the inventory, or in compliance with the inventory  |
| KECI  | : On the inventory, or in compliance with the inventory  |
| PICCS | : On the inventory, or in compliance with the inventory  |
| IECSC | : On the inventory, or in compliance with the inventory  |

## SECTION 16: Other information

|               |            |
|---------------|------------|
| Issue Date    | 07/25/2023 |
| Revision Date | 09/05/2023 |

### Disclaimer:

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.