

 MINERA DE SANTA MARTA, S.A.	<b>MATERIAL SAFETY DATA SHEET</b> <b>SODIUM CHLORIDE</b> According to Regulation (EC) No 1907/2006, amended by Regulation (EU) 2015/830	VERSION 1
		21/10/2019

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

### Product identifier

Name of the Product: **SODIUM CHLORIDE**

### Pertinent identified uses of the substance or of the mixture and uses which are not advised

<i>Relevant identified uses:</i>	<i>Description of real action:</i>
Roadways de-icing	De-icing agent
Textile industry	Aid of fabrics dyeing
Animal feed	Source of sodium

### Information from the supplier from the safety information sheet

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Telephone:	(+ 34) 976 216 129
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email	msmcomercial@samca.com

### Emergency telephone number:

National Toxicology Institute ( +34) 915 620 420

## 2 IDENTIFICATION OF THE HAZARDS

### Classification of the substance or mixture

In accordance with Regulation (EC) 1272/2008 (CLP), this product **is not considered as a Hazardous Substance.**

### Elements on the label

The substance does not require labelling as dangerous in accordance with the Directive 1999/45/EC and Regulation (EC) 1272/2008.

### Other hazards

No particular risk is present provided that the standard industrial hygiene regulations are followed.

## 3 COMPOSITION/INFORMATION ABOUT THE COMPONENTS

### Substance

Chemical name:	Sodium chloride
Chemical formula:	Na Cl
Molecular weight:	58,44
CAS Register N°:	7647-14-5
EINECS N°:	231-598-3



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### 4 FIRST AID MEASURES

#### Description of first aid

Inhaled:	Remove victim from exposure and into fresh air.
Skin contact:	It may irritate damaged skin. Wash with soap and abundant water.
Eye contact:	Wash immediately with abundant water during 15 minutes keeping eyes well open and providing medical attention.
Ingested:	Rinse mouth with water.

#### Principal symptoms and effects, acute and delayed

In case of discomfort, seek medical attention.

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

No other indication is required.

### 5 FIRE-FIGHTING MEASURES

#### Extinguishing media

All possible extinguishing media can be used.

#### Specific dangers derived from the substance or the mixture

The product is not considered as flammable. But under the effects of heat, it may emit toxic and corrosive gases.

#### Recommendations for fire-fighting personnel

Protection against dust, eye protection, boots, gloves.

### 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protection equipment and emergency procedures

Avoid contact with eyes. Contain the contaminated area and restrict access to unauthorised persons.

#### Environmental protection precautions

Prevent spillage from entering the sewer system or in the water flows. If not possible, dilute with water.

#### Methods and material for containment and cleaning

Recovery:	Collect the product using suitable media (broom, vacuum cleaner).
Cleaning:	Place the spilt product in a suitable container and label it correctly.
Disposal:	Disposal of the material or solid waste at an authorized centre.

#### Reference to other sections

For more information, see Section 8.

### 7 HANDLING AND STORAGE

#### Precautions for safe handling

Technical measures:	No particular technical intervention is required.
Precautions:	Avoid the formation or dispersion of dust into the atmosphere.
Usage recommendations:	Respect the usage instructions.

#### Safe storage conditions, including possible incompatibilities

Technical measures:	Keep packaging closed and stored in dry areas.
Incompatible substances:	See Section 10: Stability / Reactivity.
Packaging conditions:	The product can be stored in common commercial containers.
Maximum quantities that can be stored:	Not applicable.
Packaging materials:	Plastic materials (polyethylene, polypropylene).

#### Specific end use(s)

No additional recommendations.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

MEL (Maximum Exposure Limit): None.

### Exposure controls

Technical measures: Localise the source of dust emission. Ensure that the workspace is well ventilated.

Collective emergency measures: Emergency eyebath.

Individual protection

Respiratory protection: Anti-dust filter mask.

Eye protection: Safety goggles.

Environmental exposure controls: No applicable legislation.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Solid

Appearance: Granular

Odour: Odourless

### Additional information

pH aqueous solution: 7,5 – 9,0 at 20° C, solution at 10%

Fusion point: 801° C

Boiling point: 1465° C (under 1013 hPa)

Flash point: Not applicable

Explosive properties: Non-explosive according to EC criteria

Combustion properties: Non-combustible according to EC criteria

Relative density: 2,163 g/cm<sup>3</sup> (20°C)

Bulk density: 1,10 – 1,30 Kg/dm<sup>3</sup> (non-compacted product)

Solubility

In water: 359 g/l at 20° C

In ethanol: Insoluble

En glicol: Insoluble

Distribution coefficient n-octanol/water: Not available

Hygroscopicity: Hygroscopic product

## 10 STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction is known under normal conditions of use.

### Chemical stability

Stable at ambient temperatures and in normal usage conditions.

### Possibility of dangerous reactions

Exothermic reaction to lithium. In contact with strong acids it may produce fumes of hydrogen chloride, toxic and corrosive gas.

### Conditions that should be avoided

Keep away from moisture.

### Incompatible materials

In the presence of ambient moisture, it may produce corrosion in metals and alloys.

### Hazardous decomposition products

It may emit hydrogen chloride through thermal decomposition (toxic and corrosive gas).



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### 11 TOXICOLOGICAL INFORMATION

#### Information on the toxicological effects

Acute toxicity:	It is neither considered toxic nor noxious. DL <sub>50</sub> oral (rat): 3750 mg/kg.
Irritation:	May cause slight ocular and nasal mucous irritation by mechanical effect.
CMR effects:	No Carcinogenic, Mutagenic, Reprotoxic effects described.

### 12 ECOLOGICAL INFORMATION

#### Ecotoxicity

Aquatic toxicity:	CE50 (Daphnia magna) / 48 hours: 1661 mg/l.
Classification of Substances	WGK (Water Hazard Class): Class 1
Hazardous to Waters (VwVwS):	Slightly hazardous for water.

#### Persistence and degradability

No information available

#### Bioaccumulative potential

Non-bioaccumulable.

#### Mobility in the soil

Easily penetrates the soil due to the effects of rain.

#### Results of PBT and vPvB assessment

The product does not meet the criteria to be considered PBT or vPvB.

#### Other adverse effects

Other effects have not been described.

### 13 CONSIDERATIONS REGARDING DISPOSAL

#### Methods for waste treatment

Deposit in an authorized centre for collection of Non-Hazardous Industrial Waste.

#### NOTES:

The user must pay attention to the possible existence of local instructions and regulations related to suitable means of disposal.

### 14 TRANSPORT INFORMATION

By Land (RID/ADR): Not applicable.	By Sea (OMI/IMDG): Not applicable.
By Air (OACI/IATA): Not applicable.	DOT regulations: non-hazardous substance for transport.

#### UN number

Not applicable.

#### UN proper shipping name

Not applicable.

#### Transport hazard class(es)

Not applicable.

#### Packing group

Not applicable.

#### Environmental hazards

Not applicable.

#### Special precautions for user

Not applicable.

#### Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### NOTES:

The applicable regulations on this matter are in force at the date of printing this data sheet.

### 15 REGULATORY INFORMATION

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**Regulations and legislation on the subject of safety, health and the environment**

REACH regulation

At this moment, natural Sodium Chloride is exempted from the obligation to register in accordance with article 2 (7) (b) of the regulation regarding Registration, Evaluation and Authorization of Chemicals (REACH), due to is a substance covered by Annex V point 7: “The following substances which occur in nature, if they are not chemically modified: minerals, ores, ore concentrates, cement clinker, natural gas, liquefied petroleum gas, natural gas condensate, process gases and components thereof, crude oil, coal, coke.”

Defined substances which occur in nature in Article 3, point 39 as: “a naturally occurring substance as such, unprocessed or processed only by manual, mechanical or gravitational means, by dissolution in water, by flotation, by extraction with water, by steam distillation or by heating solely to remove water, or which is extracted from air by any means.”

Then, due to the fact that Minera de Santa Marta, S.A. is a producer who extracts a mineral and purifies it through leaching and crystallization processes, it considers that it is exempted and, therefore, it is not forced its registration.

**Chemical safety assessment**

Not a chemical safety assessment for this substance.

**16 OTHER INFORMATION**

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NOTES

If used for other purposes than those defined above, other risks may be present over and above specified in this document. Users must know and apply all applicable regulations.

All the information included herein is based on current knowledge regarding the product in question at the time of printing this document. This information must not be considered as decisive.

This information does not exempt users from taking all forms of precaution not mentioned above and related to the use of the product, for which they are solely responsible.