



SAFETY DATA SHEET
According to 29 CFR 1910.1200

SODIUM CHLORIDE

Date of issue: July 01, 2009 Revision date: September 01, 2023 Version No. 4

SECTION 1.- IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form Substance
Substance name Sodium chloride
CAS No. 7647-145
Formula NaCl
Synonyms Table salt, sea salt.

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

Use of the substance/mixture According to the technical sheet of the product.

1.3 Details of the supplier of the safety data sheet

Pima Chemicals & Fertilizers, LLC
1370 Nogales, Az.
Tel. 011 52 (662) 182-0559
rgutierrez@qpima.com
www.qpima.com

Química Pima, S.A. de C.V.
Del Cobre 20, Parque Industrial Hermosillo.
Hermosillo, Sonora, México. C.P. 83297
Tel. 011 (662) 251-0010 ventas@qpima.com

1.4 Emergency telephone number

Emergency number CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

SECTION 2.- HAZARD IDENTIFICATION

2.1. GHS-US classification

Eye damage/irritation Cat. 2A

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US): Warning

Hazard statement (GHS-US): H319 Causes serious eye irritation.

Precautionary statements (GHS-US):
P264 Wash exposed skin thoroughly after handling.
P280 Wear protective eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/
international regulations.



SAFETY DATA SHEET

According to 29 CFR 1910.1200

SODIUM CHLORIDE

2.3. Other hazards Not available.

2.4 Unknown acute toxicity (GHS-US) Not available.

SECTION 3.- COMPOSICION / INFORMATION OF INGREDIENTS

3.1 Mixture Not applicable

3.2 Substance

Name	Product identifier	%	GHS-US classification
Sodium chloride	(CAS No.) 7647-14-5	> 99.0	Eye Irrit. 2A, H319

SECTION 4.- FIRST AID MEASURE

4.1. Description of first air measure

First-aid measures general	Do not give anything by mouth to an unconscious person. In case of discomfort, see the doctor.
First-aid measures after eye contact	Wash immediately with water for a prolonged period (minimum 15 minutes), keeping the eyelids open. Remove contact lenses, if any, and if it can be done safely. Do not apply neutralizers. Consult the doctor if the pain / irritation increases or persists.
First-aid measures after skin contact	Wash contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if you percibe any symptoms. Wash the clothes before use it again. Clean the footwear completely before using it again.
First-aid measures after inhalation	Take the victim outside and keep them at rest in a comfortable position to breathe. If there is no breathing, it is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It can be dangerous for the person who provides help to give mouth-to-mouth resuscitation. Consult a doctor if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Keep the airway open. Loosen tight clothing such as necklaces, ties, belts or belts.
First-aid measures after ingestion	Wash out mouth with water. Remove dental prostheses, if any. To the victim to the outside and to maintain it in rest in a comfortable position to breathe. If material has been ingested and the exposed person is conscious, provide small amounts of water to drink. Stop if the exposed person is in bad shape because vomiting can be dangerous. Do not induce vomiting unless specifically directed by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Consult a doctor if adverse health effects persist or are severe. Do not give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Keep the airway open. Loosen tight clothing such as necklaces, ties, belts or belts.

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

Symptoms/injuries after inhalation	No significant effects or critical risks are known.
Symptoms/injuries after skin contact	No significant effects or critical risks are known.
Symptoms/injuries after eye contact	Causes severe eye irritation.
Symptoms/injuries after ingestion	No significant effects or critical risks are known.
Chronic symptoms	Not available.

4.3. Indications of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.



SAFETY DATA SHEET

According to 29 CFR 1910.1200

SODIUM CHLORIDE

SECTION 5.- FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media Do not get water inside containers. Do not apply water stream directly at source of leak. Do not use a heavy water stream.

5.2. Special hazard arising from the substance or mixture

No specific fire or explosion hazards. Decomposition products may include the following materials: halogenated compounds, metal / metal oxide / oxides.

5.3. Advice for firefighters

Evacuate quickly all persons in the vicinity of the incident if a fire occurs. No action should be taken that poses a significant risk to personnel or if the person does not have adequate training. Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face mask operating in positive pressure mode.

SECTION 6.- ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel: No action should be taken that poses a significant risk to personnel or if the person does not have adequate training. Evacuate the surroundings. Keep unnecessary and unprotected personnel away. Do not touch or walk through spilled material. Provide adequate ventilation. Use appropriate breathing apparatus when ventilation is insufficient. Wear the appropriate personal protective equipment.

6.1.2. For emergency responders

For emergency personnel: When specialized garments are required to manage the spill / leak, address any information collected in Section 8 regarding suitable and unsuitable materials.

6.2. Environmental precautions

Avoid dispersion of spilled material, its contact with the ground, channels, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, channels, land or air).

6.3. Methods and material for containment and cleaning up.

Small spills Remove containers from the spill area. Avoid the generation of dust. The use of a vacuum with a HEPA filter will reduce the dispersion of the powder. Insert the poured material into a properly labeled chemical waste container. Dispose according to current environmental regulations.

Large spills Remove containers from the spill area. Pay attention to the direction of the wind to avoid dust. Prevent entry into sewers, water channels, basements or confined areas. Avoid the generation of dust. Do not sweep dry. Use a vacuum with a HEPA filter to vacuum the dust and place in a closed waste container, labeled. Eliminate by an authorized company. Note: See Section 1 for emergency contact information and section 13 for waste disposal.

6.4 Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection.

SECTION 7.- HANDLING AND STORAGE

7.1. Precautions for safe handling



SAFETY DATA SHEET

According to 29 CFR 1910.1200

SODIUM CHLORIDE

Use the appropriate personal safety equipment (see section 8). Avoid ingesting or aspirating the product. Avoid contact with eyes, skin and clothing. Keep in its original container or in an alternative one made with a compatible material, keeping it closed when not in use. Empty containers contain product residues and can be hazardous. Do not reuse the container.

Eating, drinking and smoking should be prohibited in the areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering the dining rooms. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in accordance with local regulations. Store in the original container protected from direct sunlight in a dry, cool and well-ventilated area, separated from incompatible materials (see section 10) and place where food and drink are ingested. Keep the container tightly closed and sealed until the moment of use. Containers that have been opened must be carefully closed and kept upright to prevent leakage. Do not store in unlabeled containers. Use an adequate safety container to avoid contamination of the environment.
Incompatible materials	See section 10

SECTION 8.- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Chloride	No data available.	No data available.	No data available.

8.2. Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station. Extraction to remove dust at its source. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	Impermeable protective gloves.
Eye protection	Glasses for chemical products.
Skin and body protection	Wear suitable protective clothing. Chemical resistant suit. Rubber apron, boots.
Respiratory protection	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Environmental exposure controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9.- PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Crystal solid	Appearance:	Solid
Odor:	odorless	Color:	White / colorless
Molecular mass			58.4 g/mol
Odor threshold			No data available.
pH			5.0 - 9.0
Relative evaporation rate (butyl acetate=1)			No data available.
Melting/Freezing point			801°C
Boiling point			1413°C



SAFETY DATA SHEET
According to 29 CFR 1910.1200

SODIUM CHLORIDE

Flash point	No data available.
Self ignition temperature	No data available.
Decomposition temperature	No data available.
Flammability (solid, gas)	No data available.
Vapor pressure	0.13 kPa
Relative vapor density at 20°C	No data available.
Relative density	2.165
Solubility	Water: 357 g/l
Log Pow	No data available.
Log Kow	No data available.
Viscosity, kinematic	No data available.
Viscosity, dynamic	1.93 mPa.s
Explosive properties	No data available.
Oxidizing properties	No data available.
Explosive limits	No data available.

9.2 Other information

No additional information available.

SECTION 10.- STABILITY AND REACTIVITY

10.1 Reactivity	There are no test data related to the reactivity of this product or its components.
10.2 Chemical stability	Stable at standard temperature and pressure.
10.3 Possibility of hazardous reactions	Hazardous reactions do not occur under normal conditions of storage and use.
10.4 Conditions to avoid	No specific data.
10.5 Incompatible materials	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11.-TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects

Likely routes of exposure	Skin and eyes contact; inhalation; ingestion.
Acute toxicity	Not classified.

Name	LD ₅₀ oral	LD ₅₀ dermal	LC ₅₀ inhalation
Sodium chloride	3000 mg/kg (rat)	-	-

Skin corrosion/irritation	No significant effects or critical risks are known.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified.



SAFETY DATA SHEET

According to 29 CFR 1910.1200

SODIUM CHLORIDE

Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target toxicity (single exposure)	Not classified.
Specific target toxicity (repeat exposure)	Not classified.
Aspiration hazard	Not classified.
Symptoms/injuries after inhalation:	No significant effects or critical risks are known.
Symptoms/injuries after skin contact:	No significant effects or critical risks are known.
Symptoms/injuries after eye contact:	This product is irritating to the eyes. It causes pain or irritation, redness and tearing.
Symptoms/injuries after ingestion:	No significant effects or critical risks are known.
Chronic symptoms:	No significant effects or critical risks are known.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute EC₅₀ 4.74 g/L Fresh water Algae - *Chlamydomonas reinhardtii* 96 hours
Acute EC₅₀ 519.6 mg/l Fresh water Crustaceans - *Cypris subglobosa* 48 hours
Acute IC₅₀ 6.87 g/L Fresh water Aquatic plants - *Lemna minor* 96 hours
Acute CL₅₀ 1.56 g/L Fresh water Daphnia - *Daphnia magna* 48 hours
Acute CL₅₀ 1000000 µg/l Fresh water Fish - *Morone saxatilis* - Larva 96 hours
Chronic CL₁₀ 781 mg/l Fresh water Crustaceans - *Hyalella azteca* - Youthful 3 weeks
Chronic NOEC 6 g/L Fresh water Aquatic plants - *Lemna minor* 96 hours
Chronic NOEC 0.314 g/L Fresh water Daphnia - *Daphnia pulex* 21 days
Chronic NOEC 100 mg/l Fresh water Fish - *Gambusia holbrooki* - Adult 3 weeks

12.2 Persistence and degradability Not available.

12.3 Bioaccumulative potential Not available.

12.4 Mobility in soil Not available.

12.5 Other adverse effects No significant effects or critical risks are known.

SECTION 13.- DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The generation of waste should be avoided or minimized whenever possible. The disposal of this product, its solutions and any derivative must always comply with the requirements of environmental protection and waste legislation and all requirements of local authorities. Remove excess and non-recyclable products through an authorized contractor for disposal. Untreated waste should not be discarded into the sewer unless it is compatible with the requirements of all competent authorities. This material and its packaging must be disposed of in a safe manner. Empty containers or liners may retain product residues. Avoid dispersal of spilled material, its contact with the ground, the aquatic environment, drains and sewers.

The residual containers must be recycled. The incineration or confinement should only be considered when recycling is not feasible. Care should be taken when handling empty containers that have not been cleaned or rinsed.

SECTION 14.- TRANSPORT INFORMATION

14.1.UN number Not regulated.

14.2. UN proper shipping name Not regulated.



SAFETY DATA SHEET
According to 29 CFR 1910.1200

SODIUM CHLORIDE

14.3. Additional information

Other information	Not regulated.
Overland transport	Not regulated.
Transport by sea	Not regulated.
Air transport	Not regulated.

SECTION 15.- REGULATORY INFORMATION

15.1 US Federal regulations

Sodium chloride (7647-14-5)

This product does not contain any Proposition 65 chemicals.

SECTION 16.- OTHER INFORMATION

NFPA	NFPA health hazard	1	NFPA fire hazard	0	NFPA instability hazard	0	NFPA Special hazard	-
HMIS III	Health	1	Flammability	0	Physical	0	Personal Protection	E

E Safety glasses, gloves and respirator for dust.



Made for: Química Pima, S.A. de C.V. Del Cobre No. 20 Parque Industrial. Hermosillo, Sonora, México. 83297.
Date of issue: July 01, 2009
Revision date: September 01, 2023
Revision notes: Jan 18, 2018. 3rd version. In this latest revision is updated according to 29 CFR 1910.1200.
 September 01, 2023. 4th rev. Syntax and spelling improvements and corrections were made.

IMPORTANT NOTE: Information in this SDS is from available published sources and is believed to be accurate, but is not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance or mixture and apply to the appropriate product for safety precautions. No warranty, express or implied, is made and Pima Chemicals & Fertilizers, LLC and Química Pima, S.A. de C.V. assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.

End of Safety Data Sheet