

Product Name	Sodium Chloride
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identification:

Product Name: Sodium Chloride

Synonyms: Sodium chloride salt

CAS-No: 7647-14-5

EC-No.: 231-598-3

Molecular Formula: NaCl

REACH Registration No: Not Available

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

Identified Uses: Laboratory reagents, Used as an excipient and a biopharma ingredient

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

- Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.
Web: www.finarchemicals.com
- E-mail Address** safety.finar@actylis.com; info.finar@actylis.com

1.4. Emergency Telephone Number:

- For Emergency Contact No: +91 - 2717 - 616 717

Product Name	Sodium Chloride
---------------------	------------------------

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This substance is not classified as dangerous according to European Union legislation.

2.2 Label Elements:

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other Hazards:

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Sodium Chloride

3.2 Mixtures:

Component	CAS-No	EC-No.	Weight %
Sodium Chloride	7647-14-5	231-598-3	>95%

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

General information : No Data Available

Eye Contact: Rinse out with plenty of water. Remove contact lenses.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Inhalation: Fresh air.

Swallowing: Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

Nausea, Vomiting

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

Not Data Available

Product Name	Sodium Chloride
--------------	-----------------

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture:

Not combustible.

Ambient fire may liberate hazardous vapours.

Fire may cause evolution of: Hydrogen chloride gas

5.3 Special Protective Equipment for firefighters:

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further Information (Precautions):

Suppress (knock down) gases/vapours/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.

Advice for emergency responders: Protective equipment see section 8.

6.2 Environmental precautions:

Do not let products enter drains.

6.3 Methods and material 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:

Disposal considerations: see section 13

Product Name	Sodium Chloride
--------------	-----------------

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Advice on safe handling

Observe label precautions.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions

Tightly closed. Dry.

Recommended storage temperature see product label.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Contains no substances with occupational exposure limit values.

8.2 Exposure Controls:

Appropriate Engineering Controls: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See section 7.1.

Personal Protective Equipment:

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

- **Eye/face protection:** Safety Goggles
- **Skin protection:**

Hand Protection

Full Contact:

Glove Material	:	Nitrile Rubber
Glove Thickness	:	0.11 mm
Break Through Time	:	>480 min.

Flash Contact:

Glove Material	:	Nitrile Rubber
Glove Thickness	:	0.11 mm

Product Name	Sodium Chloride
---------------------	------------------------

Break Through Time : >480 min.

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatrill® L (full contact), KCL 741 Dermatrill® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet (>,<) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

- **Respiratory Protection:** Required when dusts are generated. Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

- **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:

Physical state and appearance: White Solid (Solid Powder)

Odour: Odourless

Odour Threshold: Not Available

Taste: Not Available

Color: Colorless

pH: 4.5 – 7.0 at 100 g/l 20°C

Boiling Point: 1.461°C at 1.013 hPa

Molecular Weight: 58.44 g/mol

Melting Point: 801°C

Critical Temperature: Not Available

Specific Gravity: Not Available

Vapor Pressure: 1.3 hPa at 865°C

Vapor Density: 2.17 g/cm³ at 20°C

Relative Density: Not Available

Partition coefficient (n-octanol/water): Not Available

Water Solubility: 358 g/l at 20°C

9.2 Other information:

Product Name	Sodium Chloride
---------------------	------------------------

Not Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: See Section 10.3

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: Not Available

10.5 Incompatible Materials: Not Available

10.6 Hazardous Decomposition Products: In event of fire: See Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute oral toxicity:

LD50 Rat: 3,000 mg/kg
(RTECS)

Symptoms: Nausea, Vomiting

Acute inhalation toxicity: This information is not available.

Acute dermal toxicity:

LD50 Rabbit: > 10,000 mg/kg
(RTECS)

Skin irritation: Rabbit

No skin irritation (ECHA)

Eye irritation: Rabbit

No eye irritation (ECHA)

Sensitisation: This information is not available.

Germ cell mutagenicity:

Genotoxicity in vitro

Mutagenicity (mammal cell test): micronucleus.

Result: negative

(IUCLID)

Ames test

Result: negative

(IUCLID)

Product Name	Sodium Chloride
---------------------	------------------------

Carcinogenicity: This information is not available.

Reproductive toxicity: This information is not available.

Teratogenicity: This information is not available.

Specific target organ toxicity - single exposure

This information is not available.

Specific target organ toxicity - repeated exposure

This information is not available.

Aspiration hazard: This information is not available.

11.2 Further information:

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Toxicity to fish:

LC50 Pimephales promelas (fathead minnow): 7,650 mg/l; 96 h
(IUCLID)

Toxicity to daphnia and other aquatic invertebrates:

EC50 Daphnia magna (Water flea): 1,000 mg/l; 48 h
(IUCLID)

12.2 Persistence and degradability Persistence:

Biodegradability

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

12.3 Bio Accumulative Potential: Not Available

12.4 Mobility in soil: Not Available

12.5 Results of PBT and vPvB Assessment:

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

12.6 Other Adverse Effects:

Additional ecological information

Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods:

Waste material must be disposed of in accordance with the national and local regulations.

Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Product Name	Sodium Chloride
---------------------	------------------------

SECTION 14: TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Air Transport (IATA)	Sea Transport (IMDG)
14.1 UN number	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.
14.2 Proper shipping name			
14.3 Class			
14.4 Packing group			
14.5 Environmentally hazardous			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Relevant			

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

National legislation

Storage class 10 - 13

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION**Training: -**

Provide adequate information, instruction and training to operators.

References: Not available**Created:** 30/07/2021**Updated On:** 30/10/2023

- Disclaimer:**

Product Name	Sodium Chloride
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