

SAFETY DATA SHEET

INDUSTRIAL SALT



1. Product and Company Identification

Product Name	: Industrial Salt (Sodium Chloride)
Other Names	: Sodium Chloride, common Salt
Chemical Formula	: NaCl
CAS No	: 7647-14-5
Chemical Family	: Inorganic Salt
Product use	: Different Industrial Uses specialty industrial uses.
Manufacturer	: Archean Chemical Industries Limited Greater Rann of Kutch, Near Hajipir, Taluka: Bhuj, Dist. Kutch – 370 605, Gujarat, India
Telephone	+91 2836 234259/234158/233841
Fax	+91 2836 233400
Contact in Emergency	: Mr. Vijaya Raghavan- +91 94440 10241 vijayaraghavan@archeanchemicals.com

2. Hazards Identification

Emergency Overview : Contact may cause Eye and Skin Irritation

Potential short term health effects

Routes of exposure	: Eye, Skin contact, Inhalation, Ingestion
Eyes	: Salt and salt solutions are non-toxic to eye but a concentration much of above tears cause a stinging sensation.
Skin	: May cause irritation on prolonged contact
Inhalation	: Dusts of this product in very high concentration may cause inflammations of the mucus membranes of the respiratory tract.
Ingestion	: High salt concentrations produce inflammatory reactions in the gastrointestinal tract and cause vomiting, diarrhea, convulsions and collapse.
Target organs	: Eyes. Skin. Respiratory system.
Chronic effects	: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms	: Symptoms may include redness, edema, drying, defatting and cracking of skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
OSHA Regulatory Status	: This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200..
Potential environmental effects	: See section 12.

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3. Composition / Information on Ingredients

Ingredient(s)	CAS No	Percent
Sodium Chloride	7647-14-5	98 - 100

4. First Aid Measures

First aid procedures

Eye contact	: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin contact	: Brush away excess of dry material. Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.
Inhalation	: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	: Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Notes to physician	: Symptoms may be delayed.
General advice	: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	: Not flammable by WHMIS/OSHA criteria. May be combustible at High temperatures.
Extinguishing media	
Suitable extinguishing media	: Treat for surrounding material.
Unsuitable extinguishing media	
Protection of firefighters	: Not available
Specific hazards arising from the chemical	: Not available
Protective equipment for Firefighters	: Firefighters should wear full protective clothing including self-contained breathing apparatus
Hazardous combustion products	: May include and are not limited to: Chlorine. Oxides of sodium

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Explosion data

Sensitivity to mechanical impact : Not available

Sensitivity to static discharge : Not available

6. Accidental Release Measures

Personal precautions : Avoid dust generation.

Environmental precautions : Prevent entry into waterways, sewers, basements or confined areas

Methods for containment : None necessary.

Methods for cleaning up : act before attempting clean up, refer to hazard data given above use Broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and Dispose of according to local and regional authority requirements

7. Handling and Storage

Handling : Avoid breathing dusts from this materia

Storage : Keep out of reach of children. Keep containers tightly closed in a Cool, well-ventilated place.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)

Sodium chloride

Exposure Limits

ACGIH-TLV

Not established

OSHA-PEL

Not established

Engineering controls

:TWA PEL: No specific limits have been established for sodium chloride (a Soluble substance). As a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PE. TWA TLV: No specific limits have been established for sodium chloride (a soluble substance). As a guideline, ACGIH (United States) has Established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

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Use process enclosures, local exhaust ventilation, or other engineering Controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Eye / face protection : safety glasses .
Hand protection : Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection : As required by employer code
Respiratory protection : Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.

General hygiene

Considerations : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance : Crystalline.
Color : white
Form : Crystals .
Odor : Odorless
Odor threshold : Not available
Physical state : Solid
pH : 6-8 (Natural)
Melting point : 1473.62 °F (800.9 °C)
Freezing point : Not Available
Boiling point : 2575.40 °F (1413 °C)
Pour point : Not available
Evaporation rate : Not available
Flash point : Not available
Auto-ignition temperature : Not available
Flammability limits in air, lower, % by volume : Not applicable
Flammability limits in air, upper, % by volume : Not applicable
Vapor pressure : 0.1 KPa (1 MmHg) @ 865°C
Vapor density : Not available
Specific gravity : 2.17 (H2O = 1)
Relative density : 2.17 g/cm³
Octanol/water coefficient : Not applicable
Solubility (H2O) : 36G/100g H2O @ 20°C
Viscosity Not applicable : 0 % w/w
Molecular weight : 58.4400 g/mole
Molecular formula : NaCl



10. Stability and Reactivity

Reactivity : Reactive with oxidizing agents, acids, lithium, bromine trifluoride.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Chemical stability : Stable under recommended storage conditions.

Conditions to avoid : Do not mix with other chemicals.

Incompatible materials : Acids. Oxidizers.

Hazardous decomposition products: May include and are not limited to: Chlorine. sodium oxides

11. Toxicological Information

Component analysis - LC50

Ingredient(s) LC50

Sodium chloride : > 21000 mg/m³ rat

Component analysis - Oral LD50

Ingredient(s) LD50

Sodium chloride : 3000 mg/kg rat; 4000 mg/kg mouse

Effects of acute exposure

Eye : May cause irritation.

Skin : May cause irritation.

Inhalation : Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion : May cause stomach distress, nausea or vomiting

Sensitization : Not classified or listed by IARC, NTP, OSHA and ACGIH

Chronic effects : Not classified or listed by IARC, NTP, OSHA and ACGIH

Carcinogenicity : Not classified or listed by IARC, NTP, OSHA and ACGIH

Mutagenicity : Not classified or listed by IARC, NTP, OSHA and ACGIH.

Reproductive effects : Not classified or listed by IARC, NTP, OSHA and ACGIH

Teratogenicity : Not classified or listed by IARC, NTP, OSHA and ACGIH

Name of Toxicologically

Synergistic Products : Not available

12. Ecological Information

Eco toxicity : May be harmful to freshwater aquatic species and to plants that are not saline tolerant.

Persistence / degradability : Not available

Bioaccumulation / accumulation : Not available

Mobility in environmental media : Not available

Environmental effects : Not available

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Aquatic toxicity : Not available
Partition coefficient : Not available
Chemical fate information : Not available
Other adverse effects : Not available

13. Disposal Considerations

Disposal instructions : Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations.

Waste from residues / unused

Product : Not available
Contaminated packaging : Not available

14. Transport Information

U.S. Department of Transportation (DOT) : Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada) : Not regulated as dangerous goods.
Air transport (IATA) : Not classified as dangerous.

15. REGULATORY INFORMATION

Canadian federal regulations : This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS status : Not Controlled

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical : No

US Federal regulations : This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR. 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances : Not applicable.

16. Other Information

References : Not available
Other special Consideration : Not available
Revision : 04
Last updated : 14th January 2022

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The information above is believed to be accurate and represents the best information currently available to us. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.