

# SAFETY DATA SHEET

## INDUSTRIAL SALT



### 1. Product and Company Identification

<b>Product Name</b>	: <b>Industrial Salt (Sodium Chloride)</b>
<b>Other Names</b>	: Sodium Chloride, common Salt
<b>Chemical Formula</b>	: NaCl
<b>CAS No</b>	: 7647-14-5
<b>Chemical Family</b>	: Inorganic Salt
<b>Product use</b>	: Different Industrial Uses specialty industrial uses.
<b>Manufacturer</b>	: Archean Chemical Industries Private Limited Greater Rann of Kutch, Near Hajipir , Taluka: Bhuj, Dist. Kutch – 370 605, Gujarat, India
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### 2. Hazards Identification

**Emergency Overview** : Contact may cause Eye and Skin Irritation

#### Potential short term health effects

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

<b>Eye contact</b>	: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin contact</b>	: Brush away excess of dry material. Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	: Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Notes to physician</b>	: Symptoms may be delayed.
<b>General advice</b>	: 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

<b>Flammable properties</b>	: Not flammable by WHMIS/OSHA criteria. May be combustible at High temperatures.
Extinguishing media	
<b>Suitable extinguishing media</b>	: Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	
<b>Protection of firefighters</b>	: Not available
<b>Specific hazards arising from the chemical</b>	: Not available
<b>Protective equipment for Firefighters</b>	: Firefighters should wear full protective clothing including self-contained breathing apparatus
<b>Hazardous combustion products</b>	: 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/m<sup>3</sup> 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 : 03  
Last updated : 9<sup>th</sup> November 2020

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