1.1 Product identifier

**Product Name**

- **Common Salt without Additives**

**Synonyms**

- All Purpose Natural Sea Salt; All Purpose Purex Salt; Bunny Spool (Plain Salt); California Pure Coarse Sea Salt; California Pure Fine Sea Salt; California Pure Medium Sea Salt; Canning & Pickling Salt; Commercial Grade, Water Softening Pellets; Culinox 999 Chemical Grade Salt; Culinox 999 Fine Salt; Culinox 999 Food Grade Salt; Evaporated Granulated Salt; Evaporated Salt Pellets; Feed Mixing Salt, Northern Rock, F & R; Fine Mixing Salt; H.G. Blending Salt; Hay & Stock Salt, F&R; Industrial Crude Solar Salt; KD Crude Solar Salt; Kleer Fine Salt; Kleer Granulated Salt; Mill Run Salt; Natural Coarse Sea Salt; Northern Fine +20 Rock Salt; Plain Salt Block; Plain Salt Brick; Pool Salt; Professional’s Choice Pool Salt; Purex Salt; Purex Select Salt; Reagent Grade Sodium Chloride; Refined Sea Salt; Rock Pretzel Salt; Rock Salt for Making Ice Cream; Safe-T-Salt (bagged w/o YPS); Sea Salt Grinder; Sea Salt Grinder Reill; Select Extra Coarse Rock Salt; Service Pack Salt (all); Ship n' Shore Rock Salt; Solar Salt Water Softening Crystals; Stock Salt; USP Sodium Chloride; Valu-Soft Solar Salt; Water Softening Salt (Undried) Coarse; Water Softening Salt (Undried) Extra Coarse; White Crystal Brine Block (50 lb); White Crystal Rock Salt (all); White Crystal Solar Salt (all); White Crystal Water Softening Solar Salt (all); White Pretzel Salt; Dried Coarse Salt

**CAS Number**

- 7647-14-5

**Product Code**

- MSDS Code: 100

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

**Relevant identified use(s)**

- Food, Chemical and Drug Processing; Pharmaceuticals; Water Conditioning; Ice Control; Chemical Feedstock – see product data sheets for more information

1.3 Details of the supplier of the safety data sheet

**Manufacturer**

- Morton Salt, Inc.
  123 N. Wacker Drive
  Chicago, IL 60606
  United States

  [saltinfo@mortonsalt.com](mailto:saltinfo@mortonsalt.com)

**Telephone (General)**

- 312-807-2000

1.4 Emergency telephone number

**Manufacturer**

- 312-807-2000

---

**Section 2: Hazards Identification**

**EEC**


According to EU Directive 67/548/EEC (DS) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture
2.1 Classification of the substance or mixture

OSHA HCS 2012
- Classification criteria not met

2.2 Label elements

OSHA HCS 2012
- Hazard statements: No label element(s) specifically required

2.3 Other hazards

OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada
According to WHMIS

2.1 Classification of the substance or mixture

WHMIS
- Classification criteria not met

2.2 Label elements

WHMIS
- No label element(s) specifically required

2.3 Other hazards

WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

NFPA

See Section 12 for Ecological Information.
Section 3 - Composition/Information on Ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Non-Hazardous Components</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Name</strong></td>
</tr>
<tr>
<td>Sodium chloride</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

**Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**
- If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician
  - All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

**Suitable Extinguishing Media**
- Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**
- No unusual fire or explosion hazards known.

**Hazardous Combustion Products**
- No data available.
5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

---

**Section 6 - Accidental Release Measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions**
- Wear suitable protective clothing, gloves, and eye/face protection.

**Emergency Procedures**
- Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

### 6.2 Environmental precautions

- None expected to be necessary if material is used under ordinary conditions and as recommended.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures**
- Carefully shovel or sweep up spilled material and place in suitable container.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

---

**Section 7 - Handling and Storage**

### 7.1 Precautions for safe handling

**Handling**
- Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage**
- Avoid storage with strong acids and strong oxidizing agents.

**Incompatible Materials or Ignition Sources**
- Strong oxidizing agents, strong acids.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

---

**Section 8 - Exposure Controls/Personal Protection**

### 8.1 Control parameters

**Exposure Limits/Guidelines**
- No applicable exposure limits available for product or components.

### 8.2 Exposure controls

**Engineering Measures/Controls**
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

**Personal Protective Equipment Pictograms**
- ![Respiratory](Health-and-Safety-Symbols/respiratory.png)
- ![Eye/Face](Health-and-Safety-Symbols/eye.png)

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear safety glasses.
Skin/Body

- Wear appropriate gloves.
- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.
- Follow best practice for site management and disposal of waste.

General Industrial Hygiene Considerations

Environmental Exposure Controls

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Colorless to white crystalline or compressed block/pellet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Colorless to White.</td>
<td>Odor Odorless</td>
<td></td>
</tr>
<tr>
<td>Particulate Type</td>
<td>Dust Crystalline Particulate Size Variable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>1413 to 1461 C(2575.4 to 2661.8 F)</td>
<td>Melting Point</td>
<td>801 C(1473.8 F)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Data lacking</td>
<td>pH</td>
<td>7 Approximately</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>2.165 Water=1</td>
<td>Bulk Density</td>
<td>Variable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble 0.36 g/cc @ 20 C(68 F)</td>
<td>Viscosity</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not relevant.</td>
<td>Oxidizing Properties:</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not relevant.</td>
<td>Vapor Density</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not relevant.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>Not relevant.</td>
<td>UEL</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not relevant.</td>
<td>Autoignition</td>
<td>Not relevant</td>
</tr>
<tr>
<td>LEL</td>
<td>Not relevant.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td>Octanol/Water Partition coefficient, Not flammable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid
10.5 **Incompatible materials**
- Strong oxidizing agents, strong acids.

10.6 **Hazardous decomposition products**
- Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

### Section 11 - Toxicological Information

#### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride (&gt; 99%)</td>
<td>7647-14-5</td>
<td>Acute Toxicity: orl-rat LD50: 3000 mg/kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP • Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
</tbody>
</table>

**Potential Health Effects**

**Inhalation**
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.
- **Chronic (Delayed)**: No data available.

**Skin**
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.
- **Chronic (Delayed)**: No data available.
Eye

**Acute (Immediate)**
- Based upon practical use and experience using this product eye irritation is not expected to occur.

**Chronic (Delayed)**
- No data available.

**Ingestion**

**Acute (Immediate)**
- Ingestion may cause the following symptoms - diarrhea.

**Chronic (Delayed)**
- No data available.

**Key to abbreviations**

LD = Lethal Dose

---

**Section 12 - Ecological Information**

12.1 **Toxicity**
- Material data lacking.

12.2 **Persistence and degradability**
- Material data lacking.

12.3 **Bioaccumulative potential**
- Material data lacking.

12.4 **Mobility in Soil**
- Material data lacking.

12.5 **Results of PBT and vPvB assessment**
- No PBT and vPvB assessment has been conducted.

12.6 **Other adverse effects**
- No studies have been found.

---

**Section 13 - Disposal Considerations**

13.1 **Waste treatment methods**

**Product waste**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

---

**Section 14 - Transport Information**

<table>
<thead>
<tr>
<th></th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>
14.6 Special precautions for user

- None known.

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

SARA Hazard Classifications

- None

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

State Right To Know

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Inventory (Con't.)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Japan ENCS</th>
<th>Korea KECL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Canada

Labor

- Sodium chloride 7647-14-5 > 99% Uncontrolled product according to WHMIS classification criteria

- Sodium chloride 7647-14-5 > 99% Not Listed

Environment

- Sodium chloride 7647-14-5 > 99% Not Listed

Europe

Other

- EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification
• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium chloride 7647-14-5 > 99% Not Listed

---

**Mexico**

**Other**

Mexico - Hazard Classifications

• Sodium chloride 7647-14-5 > 99% Not Listed

Mexico - Regulated Substances

• Sodium chloride 7647-14-5 > 99% Not Listed

---

**United States**

**Labor**

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Sodium chloride 7647-14-5 > 99% Not Listed
Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Sodium chloride 7647-14-5 > 99% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
1. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

2. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

3. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

---

United States - Pennsylvania

Labor

1. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

2. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

---

United States - Rhode Island

Labor

1. Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - Rhode Island - Hazardous Substance List

---

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date: 18/February/2014
Preparation Date: 09/August/2012
Disclaimer/Statement of Liability

- The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Key to abbreviations

NDA = No data available