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
- Hi-Purity Super Soft Salt Extra Coarse Crystals
- H.G. Blending Salt
- Hay & Stock Salt, F&R
- Industrial Crude Solar Salt
- KD Crude Solar Salt
- KD Industrial 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
- Premium Salt Pellets
- Professional’s Choice Pool Salt
- PureSun Culinary Crystals
- 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
- Service Pack Salt (all)
- Select Extra Coarse Rock Salt
- 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)

**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

1.3 Details of the supplier of the safety data sheet

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

**Telephone** • 312-807-2000
1.4 Emergency telephone number
Manufacturer • 312-807-2000

Section 2: Hazards Identification

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

2.1 Classification of the substance or mixture
CLP • Classification criteria not met
DSD/DPD • Classification criteria not met

2.2 Label Elements
CLP Hazard statements • No label element(s) specifically required
DSD/DPD Risk phrases • No label element(s) specifically required

2.3 Other Hazards
CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
DSD/DPD • This product is not considered dangerous under the European Directive 67/548/EEC

United States (US)
According to OSHA 29 CFR 1910.1200 HCS

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
Section 3 - Composition/Information on Ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%(weight)</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>CAS:7647-14-5 EC Number:231-598-3</td>
<td>&gt; 99%</td>
<td>Ingestion/Oral-Rat LD50 • 3000 mg/kg</td>
<td>EU DSD/DPD: Not Classified - Criteria not met</td>
<td>May contain small quantities of naturally occurring calcium and magnesium salts</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EU CLP: Not Classified - Criteria not met</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OSHA HCS 2012: Not Classified - Criteria not met</td>
<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.

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

- 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
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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solid</td>
<td>Colorless to white crystalline or compressed block/pellet.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Color</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Colorless to White.</td>
<td>Odorless</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Particulate Type</th>
<th>Particulate Size</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dust Crystalline</td>
<td>Variable</td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Boiling Point</th>
<th>Melting Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1413 to 1461 C(2575.4 to 2661.8 F)</td>
<td>801 C(1473.8 F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Decomposition Temperature</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Data lacking</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Specific Gravity/Relative Density</th>
<th>Bulk Density</th>
<th>Water Solubility</th>
<th>Viscosity</th>
<th>Oxidizing Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.165 Water=1</td>
<td>Variable</td>
<td>Soluble 0.36 g/cc @ 20 C(68 F)</td>
<td>Not relevant</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Explosive Properties</th>
<th>Vapor Pressure</th>
<th>Evaporation Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not relevant</td>
<td>Not relevant</td>
<td>Not relevant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Flammability (solid, gas)</th>
<th>Flammable</th>
<th>Flash Point</th>
<th>UEL</th>
<th>Autoignition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not flammable.</td>
<td>Not relevant</td>
<td>Not relevant</td>
<td></td>
<td>Not relevant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Environmental Octanol/Water Partition coefficient</th>
<th>Not relevant</th>
</tr>
</thead>
</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
• Incompatible materials.

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

GHS Properties: Classification

Acute toxicity
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Aspiration Hazard
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Carcinogenicity
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Germ Cell Mutagenicity
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Skin corrosion/Irritation
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Skin sensitization
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

STOT-RE
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

STOT-SE
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Toxicity for Reproduction
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Respiratory sensitization
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

Serious eye damage/Irritation
- EU/CLP: Classification criteria not met
- OSHA HCS 2012: Classification criteria not met

---

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>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>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not regulated</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>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>NDA</td>
<td>Not regulated</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

<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>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

Canada - WHMIS - Classifications of Substances

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

Canada - WHMIS - Ingredient Disclosure List

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

Environment

Canada - CEPA - Priority Substances List

• 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)
• Sodium chloride 7647-14-5 > 99% Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
• Sodium chloride 7647-14-5 > 99% Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female
• Sodium chloride 7647-14-5 > 99% Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male
• Sodium chloride 7647-14-5 > 99% Not Listed

United States - Pennsylvania

Labor
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
• Sodium chloride 7647-14-5 > 99% Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
• Sodium chloride 7647-14-5 > 99% Not Listed

United States - Rhode Island

Labor
U.S. - Rhode Island - Hazardous Substance List
• Sodium chloride 7647-14-5 > 99% Not Listed

15.2 Chemical Safety Assessment
• No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date • 25/August/2015
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