MORTON SALT, INC.

Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Common Salt without Additives Name 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 Hav & Stock Salt, F&R Industrial Crude Solar Salt ISCO Crystals, Bulk ISCO Medium, Bulk ISCO Water Conditioning, Bulk 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 Sea Salt Grinder Refill 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)

CAS Number • 7647-14-5

Product • MSDS Code: 100 Code

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

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

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

Telephone • 312-807-2000 (General)

1.4 Emergency telephone number

Manufacturer • 312-807-2000

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- Classification criteria not met
- 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

- According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
- 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 • No label element(s) specifically required statements

2.3 Other hazards

• 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



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

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

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 in	nportant symptoms and effects, both acute and delayed
	 Refer to Section 11 - Toxicological Information.
4.3 Indicat	ion 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

5.2 Special hazards arising from the substance or mixture

- **Unusual Fire and Explosion** Hazards
- Hazardous Combustion Products
- 5.3 Advice for firefighters

No unusual fire or explosion hazards known.

No data available

No data available.

• 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 • Carefully shovel or sweep up spilled material and place in suitable container. Measures

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

- Use good safety and industrial hygiene practices. Wash thoroughly after handling. Handling Keep out of reach of children. 7.2 Conditions for safe storage, including any incompatibilities Avoid storage with strong acids and strong oxidizing agents. Storage Incompatible Materials or Ignition • Strong oxidizing agents, strong acids. Sources 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

Personal Protective Equipment Pictograms

Respiratory

Eye/Face

Skin/Body

General Industrial Hygiene Considerations

Environmental Exposure Controls • Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.



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

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

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

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

Component Name	CAS	Data		
Sodium chloride (> 99%)	7647-14-5	:ute Toxicity: orl-rat LD50:3000 mg/kg		
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) Skin	No data available.
Acute	 Under normal conditions of use, no health effects are expected.

(Immediate) Chronic (Delayed) Eye	• No data available.
Acute (Immediate)	• Based upon practical use and experience using this product eye irritation is not expected to occur.
Chronic (Delayed) Ingestion	No data available.
Acute (Immediate)	 Ingestion may cause the following symptoms - diarrhea.
Chronic (Delayed)	No data available.
Key to abbreviatior	IS

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

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA

IATA/ICAO NDA Not regulated NDA NDA NDA

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

	State Right To Know					
Component	CAS	MA	NJ	PA		
Sodium chloride	7647-14-5	No	No	No		

Inventory								
Component	CAS	Canada D	SL	Canada NDSL	China	EU EIN	IECS	EU ELNICS
Sodium chloride	7647-14-5	5 Yes		No	Yes	Yes		No
Inventory (Con't.)								
Component CAS Japan ENCS Korea KECL						TSCA		
Sodium chloride 764		647-14-5	Yes		Yes		Yes	

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 - 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	• 17/November/2015
Preparation Date	• 17/November/2015
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