



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Lite Salt (Retail) **Product Code – SDS 1036**

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

Recommended use • Food Seasoning

Details of the supplier of the safety data sheet

Manufacturer • Morton Salt, Inc
444 W. Lake Street
Chicago, Illinois 60606

www.mortonsalt.com

Telephone (General) • 312-807-2000

Emergency telephone number

Manufacturer • 312-807-2000

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Not classified

Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

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

Classification of the substance or mixture

WHMIS • Not classified



Label elements

WHMIS • No label element(s) required.

Other hazards

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

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Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium chloride	CAS:7647-14-5	39.6% TO 60%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	OSHA HCS 2012: Not Classified	NDA
Potassium chloride	CAS:7447-40-7	39.6% TO 60%	Ingestion/Oral-Rat LD50 • 2600 mg/kg	OSHA HCS 2012: Not Classified	NDA
Carbonic acid, magnesium salt (1:1)	CAS:546-93-0	< 1%	Ingestion/Oral-Rat LD50 • 8000 mg/kg	OSHA HCS 2012: Not Classified	NDA
Calcium silicate	CAS:1344-95-2	< 1%	NDA	OSHA HCS 2012: Not Classified	NDA
D-Glucose	CAS:50-99-7	< 0.04%	Ingestion/Oral-Rat LD50 • 25800 mg/kg	OSHA HCS 2012: Exposure limits	NDA
Potassium iodide	CAS:7681-11-0	< 0.01%	NDA	OSHA HCS 2012: Exposure limits	NDA

Section 4: First-Aid Measures

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.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

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: Fire-Fighting Measures

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.

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

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

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.

Environmental precautions

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

Methods and material for containment and cleaning up

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

Reference to other sections

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

Section 7 - Handling and Storage

Precautions for safe handling

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

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.

Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
Calcium silicate (1344-95-2)	TWAs	10 mg/m ³ TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m ³ TWA (synthetic nonfibrous, containing no Asbestos and <1% Crystalline silica)	10 mg/m ³ TWAEV (synthetic, containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Carbonic acid, magnesium salt (1:1) (546-93-0)	TWAs	Not established	10 mg/m ³ TWA (containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m ³ TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m ³ TWA (total dust, listed under Magnesite); 5 mg/m ³ TWA (respirable dust, listed under Magnesite)	Not established

Exposure Control Notations

ACGIH

•Calcium silicate (1344-95-2): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (synthetic nonfibrous))

Exposure Limits Supplemental

ACGIH

•Calcium silicate (1344-95-2): **TLV Basis - Critical Effects:** (upper respiratory tract irritation (synthetic nonfibrous))

Exposure controls

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

Personal Protective Equipment

Respiratory

• In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

• Wear safety glasses.

Skin/Body

• Wear appropriate gloves.

General Industrial Hygiene Considerations

• Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

• Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Colorless to white crystalline solid.
Color	Colorless to White.	Odor	No data available
Odor Threshold	No data available		



General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	9
Specific Gravity/Relative Density	No data available	Water Solubility	34 g/cc @ 20 C(68 F) Anti-caking agents are insoluble
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Incompatible materials.

Incompatible materials

- Will react with strong acids (to generate hydrogen chloride) and strong oxidizing agents (to generate chlorine gas).

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Sodium chloride (39.6% TO 60%)	7647-14-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3000 mg/kg; Irritation: Eye-Rabbit • 10 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Potassium chloride (39.6% TO 60%)	7447-40-7	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2600 mg/kg; Irritation: Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Mutagen: Cytogenetic analysis • Unreported Route-Hamster • Ovary (Somatic cell) • 140 mmol/L
Carbonic acid, magnesium salt (1:1) (< 1%)	546-93-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • 8000 mg/kg



GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012•No data available
Serious eye damage/Irritation	OSHA HCS 2012•No data available
Acute toxicity	OSHA HCS 2012•No data available
Aspiration Hazard	OSHA HCS 2012•No data available
Carcinogenicity	OSHA HCS 2012•No data available
Skin corrosion/Irritation	OSHA HCS 2012•No data available
Skin sensitization	OSHA HCS 2012•No data available
STOT-RE	OSHA HCS 2012•No data available
STOT-SE	OSHA HCS 2012•No data available
Toxicity for Reproduction	OSHA HCS 2012•No data available
Germ Cell Mutagenicity	OSHA HCS 2012•No data available

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

Toxicity



- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

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

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	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

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Section 15 - Regulatory Information

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
Calcium silicate	1344-95-2	Yes	Yes	Yes
Carbonic acid, magnesium salt (1:1)	546-93-0	Yes	Yes	No
D-Glucose	50-99-7	No	No	No



Potassium chloride	7447-40-7	No	No	No
Potassium iodide	7681-11-0	No	No	No
Sodium chloride	7647-14-5	No	No	No

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Calcium silicate	1344-95-2	Yes	No	Yes
Carbonic acid, magnesium salt (1:1)	546-93-0	Yes	No	Yes
D-Glucose	50-99-7	Yes	No	Yes
Potassium chloride	7447-40-7	Yes	No	Yes
Potassium iodide	7681-11-0	Yes	No	Yes
Sodium chloride	7647-14-5	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Calcium silicate	1344-95-2	Uncontrolled product according to WHMIS classification criteria
•D-Glucose	50-99-7	Uncontrolled product according to WHMIS classification criteria
•Potassium chloride	7447-40-7	Uncontrolled product according to WHMIS classification criteria (including 23.8%)
•Carbonic acid, magnesium salt (1:1)	546-93-0	Uncontrolled product according to WHMIS classification criteria
•Potassium iodide	7681-11-0	D2A
•Sodium chloride	7647-14-5	Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	1 %
•Sodium chloride	7647-14-5	Not Listed

Environment

Canada - CEPA - Priority Substances List

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

United States

Labor

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

•Calcium silicate	1344-95-2	Not Listed
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•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		
•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

Environment

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
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•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

United States - California

Environment

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

United States - Pennsylvania

Labor

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

•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed



•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
•Calcium silicate	1344-95-2	Not Listed
•D-Glucose	50-99-7	Not Listed
•Potassium chloride	7447-40-7	Not Listed
•Carbonic acid, magnesium salt (1:1)	546-93-0	Not Listed
•Potassium iodide	7681-11-0	Not Listed
•Sodium chloride	7647-14-5	Not Listed

Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date	• 27/May/2021
Preparation Date	• 29/October/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