



UNITED SALT CORPORATION

Revision Date 06-Sep-2024

Version 6

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Salt, Sodium Chloride

Other means of identification

Product Code(s) SALT, SODIUM CHLORIDE
Synonyms Industrial Grade Sodium Chloride

Recommended use of the chemical and restrictions on use

Recommended Use Industrial (not for food or food contact use)

Details of the supplier of the safety data sheet

Manufacturer Address United Salt Baytown LLC
 7901 FM 1405
 Baytown, Texas 77523

United Salt Saltville LLC
 864 Ader Lane
 Saltville, Virginia 24370

Emergency telephone number

Company Phone Number United Salt Corporation
 800-554-8658
 713-877-2677

Emergency Contact: United Salt Corporation 800-554-8658 713-877-2677
 CHEMTREC: +1-703-527-3887 (INTERNATIONAL) 1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification

GHS Label elements, including precautionary statements

Appearance	Physical state	Odor
White, crystalline.	Solid.	Odorless.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Industrial Grade Sodium Chloride.

Chemical Name	CAS-No	Weight %
Sodium Chloride	7647-14-5	100

* Yellow prussiate of soda in trace amounts is used as an anti-caking agent in the sized salt.

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. If symptoms persist, call a physician.
Skin contact	Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gentle and thoroughly with lukewarm, gently flowing water and mild soap for 30 minutes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting.
Protection of First-aiders	Use personal protective equipment recommended in Section 8 of this safety data sheet.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Keep patient under observation. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Material is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<u>Unsuitable Extinguishing Media</u>	CAUTION: Use of water spray when fighting fire may be inefficient. CAUTION: Use of water spray when fighting fire may be inefficient.
<u>Specific hazards arising from the chemical</u>	No data available.
<u>Hazardous Combustion Products</u>	Carbon monoxide. Carbon dioxide (CO ₂).
<u>Explosion data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Protective Equipment and Precautions for Firefighters

Fire-Fighters should wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment recommended in Section 8 of this safety data sheet.

Avoid contact with the skin and the eyes.

Other information See Section 12 for additional information.

Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Use personal protective equipment recommended in Section 8 of this safety data sheet. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Minimize dust generation and accumulation. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid generating vapours or mists. Ensure adequate ventilation. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). In the event of a spill or leak, exit the area immediately. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Avoid storage with strong acids and strong oxidizing agents. Keep container tightly closed. Keep out of the reach of children.

Incompatible products Bromine Trifluoride, Lithium. Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
Exposure controls Treat as a nuisance dust.

Engineering Measures Showers
Eyewash stations
Ventilation systems. Ensure adequate ventilation to remove vapors, fumes, dust, etc. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles

Skin and body protection Body: Wear appropriate protective, impervious clothing. Wear latex or Nitrile gloves.

Respiratory protection Effective dust mask. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Solid.	Odor	Odorless.
Appearance	White, crystalline.	Odor Threshold	No data available
Color	No data available		

<u>Property</u>	<u>Values</u>	<u>Note • Method</u>
pH @ 20 °C	No data available	Estimated value(s)
Melting/freezing point	800 °C / 1472 °F	Estimated value(s)
Boiling point/boiling range	1413 °C / 2575 °F	Estimated value(s)
Flash Point	Not Determined	
Evaporation rate	N/A	Estimated value(s)
Flammability (solid, gas)	No data available	Estimated value(s)
Flammability Limits in Air		
Upper Flammability Limit	No data available.	
Lower Flammability Limit	No data available.	
Vapor pressure	1 MM@ 855 deg	Estimated value(s)
Vapor density	N/A	Estimated value(s)
Specific Gravity	2.165	Estimated value(s)
Water solubility	Appreciable (26.43 % by weight at 20C)	Estimated value(s)
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	Estimated value(s)
Autoignition temperature	No data available	Estimated value(s)
Decomposition temperature	No data available	Estimated value(s)
Viscosity, kinematic	No data available	Estimated value(s)
Viscosity, dynamic	No data available	Estimated value(s)
Explosive properties	No data available.	
Oxidizing Properties	No data available	

Other information

Softening point	No data available
Molecular Weight	No data available
VOC Content	No data available.
Density	No data available
Bulk Density	No data available.

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Not expected under recommended storage conditions.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

No data available.

Incompatible Materials

Bromine Trifluoride, Lithium. Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

When heated to decomposition (above 1413 C) may emit toxic fumes of Na₂O and Cl₂. Will react with strong acids to generate

hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact	May cause irritation.
Skin contact	Irritating to skin. Prolonged contact may cause redness and irritation.
Inhalation	May cause irritation of respiratory system. Inhalation of dust in high concentration may cause irritation of respiratory system.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No data available.
Mutagenic Effects	No data available.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Reproductive Toxicity	No data available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Target Organ Effects	Skin, Eyes, Gastrointestinal tract (GI).
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3000 mg/kg
LD50 Oral (mg/kg)	3000 mg/kg (rat) Estimated
LD50 Dermal	10000 mg/kg (rat) Estimated
LC50 Inhalation (DUST)	17572 mg/l (mist) (dust) mg/m ³ 4 hour Estimated

12. ECOLOGICAL INFORMATION

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium Chloride 7647-14-5	-	5560 - 6080 mg/L: 96 h Lepomis macrochirus LC50 flow-through 12946 mg/L: 96 h Lepomis macrochirus LC50 static 6020 - 7070 mg/L: 96 h Pimephales promelas LC50 static 7050 mg/L: 96 h Pimephales promelas LC50 semi-static 6420 - 6700 mg/L: 96 h Pimephales promelas LC50 static	1000 mg/L: 48 h Daphnia magna EC50 340.7 - 469.2 mg/L: 48 h Daphnia magna EC50 Static

		4747 - 7824 mg/L: 96 h Oncorhynchus mykiss LC50 flow-through	
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Persistence and degradability No data available.

Bioaccumulation No data available.

Other adverse effects No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

Harmonized Tariff Schedule / Schedule B

HTS/Schedule B Code 2501.00.0000

DOT Not regulated.

TDG Not regulated.

MEX Not regulated.

ICAO Not regulated.

ICAO/IATA Not regulated.

IMDG/IMO Not regulated.

RID Not regulated.

ADR/RID Not regulated.

ADN Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA -
DSL/NDSL -
EINECS/ELINCS -
ENCS -
IECSC -
KECL -

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide registration number Not applicable

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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