



# UNITED SALT CORPORATION

## SAFETY DATA SHEET

No. 481

Revision Date 21-Oct-2022

Version 5

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

#### Product identifier

**Product Name** Salt, Sodium Chloride (No YPS)

#### Other means of identification

**Product Code(s)** SALT, SODIUM CHLORIDE (NO YPS)

**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 - Evaporated Salt, Pelletized Salt  
7901 FM 1405  
Baytown, Texas 77523

United Salt Carlsbad LLC - Solar Salt  
1434 Potash Mines Road  
Carlsbad, New Mexico 88220

United Salt Hockley LLC - Rock Salt  
14002 Warren Ranch Road  
Hockley, Texas 77447

#### Emergency telephone number

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

**Emergency Contact:** CHEMTREC: +1-703-527-3387 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

### 2. HAZARDS IDENTIFICATION

#### Classification

#### GHS Label elements, including precautionary statements

<b>Appearance</b> White, crystalline.	<b>Physical state</b> Solid.	<b>Odor</b> Odorless.
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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Industrial Grade Sodium Chloride.

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

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Inhalation</b>	Move to fresh air. Keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Ingestion</b>	Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting.
<b>Protection of First-aiders</b>	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

**Suitable Extinguishing Media** Material is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** No unsuitable extinguishing media known.

**Specific hazards arising from the chemical** No data available.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Explosion data**

**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** Keep container tightly closed. Keep out of the reach of children.

**Incompatible products** Bromine Trifluoride, Lithium.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** Treat as a nuisance dust.  
**Exposure controls**

**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

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

### Other information

<b>Softening point</b>	No data available
<b>Molecular Weight</b>	No data available
<b>VOC Content</b>	No data available.
<b>Density</b>	No data available
<b>Bulk Density</b>	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.

**Hazardous Decomposition Products**

When heated to decomposition (above 1413 C) may emit toxic fumes of Na<sub>2</sub>O and Cl<sub>2</sub>.

**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<sup>3</sup> 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 -	1000 mg/L: 48 h Daphnia magna EC50 340.7 - 469.2 mg/L: 48 h Daphnia magna EC50 Static

		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 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/NDL -  
EINECS/ELINCS -  
ENCS -  
IECSC -  
KECL -

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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

**16. OTHER INFORMATION**

**Technical Contact** Tom Ellis  
Technical Manager  
7901 FM 1405  
Baytown, Texas 77523  
Office: 281-303-1101 ext 1104

**Prepared By** HSE Department  
4800 San Felipe St.  
Houston, TX 77056

**Revision Date** 21-Oct-2022  
**Reason for Revision:** SDS sections updated 1 2

**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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