

Safety Data Sheet

Solar Salt

SECTION 1: Identification

1.1 Product identifier

Product name Solar Salt

1.2 Other means of identification

Not applicable

1.3 Recommended use of the chemical and restrictions on use

Snowmelt / Deicer, Water Treatment, Chemical Manufacturing, other Non-Food Grade uses.

1.4 Supplier's details

Name Consolidated Grain and Barge Co.

Address 1127 Highway 190 East Service Rd

Covington, LA 70433-4929

USA

Telephone +1 985 867 3500

1.5 Emergency phone number(s)

CHEMTREC: +1 703-741-5970 / +1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: US OSHA (29 CFR 1910.1200) and Canadian HPR (WHMIS 2015)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

May cause eye irritation. May cause skin irritation. May cause respiratory tract irritation. May cause gastrointestinal irritation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

Safety Data Sheet

Solar Salt

3.2 Mixtures

Components

Component	Concentration
Sodium chloride (CAS no.: 7647-14-5; EC no.: 425-740-5) CLASSIFICATIONS: Not classified.	>98 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a poison center or doctor if you feel unwell.
In case of skin contact	Wash with water. Call a poison center or doctor if irritation develops or persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

If inhaled	May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Hazardous decomposition products under fire conditions: Hydrogen chloride gas, Sodium oxides

5.3 Special protective actions for fire-fighters

Safety Data Sheet

Solar Salt

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe dust or mist. Avoid contact with skin and eyes. Wear appropriate personal protective equipment as described in Section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of dust or mist. Handle in accordance with good industrial hygiene and safety practices. Eating, drinking and smoking is prohibited. Wash hands with soap and water after handling. Wear protective gloves/protective clothing/eye protection.

7.2 Conditions for safe storage, including any incompatibilities

Normal temperatures and pressures do not affect the material. Keep containers closed and in a dry place. Avoid exposure to moist air or water. Product may cause metal corrosion upon prolonged contact.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Particles not otherwise classified (PNOC)

PEL-TWA (OSHA): 5 mg/m³ (respirable fraction), 15 mg/m³ (total dust).

TLV®-TWA (ACGIH®): 3 mg/m³ (respirable particles); 10 mg/m³ (inhalable particles).

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. Eye protection equipment must be tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Safety Data Sheet

Solar Salt

Skin protection

Wear protective gloves suitable for the material handled. Consult manufacturer specifications for further information.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear and white solid.
Odor	Odorless.
Odor threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	> 200 °C.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not flammable
Upper/lower flammability limits	Not applicable.
Upper/lower explosive limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No data available.
Specific gravity	No data available.
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	No data available.
Viscosity	Not applicable.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Non-reactive under normal use conditions.

10.2 Chemical stability

Hygroscopic.

Safety Data Sheet

Solar Salt

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Contact with incompatible products. Excess heat.

10.5 Incompatible materials

Strong oxidizing agents, Metals, Strong acids.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, classification data are not met

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Components:

Sodium chloride

LD50 Oral - Rat - 3000 mg/kg

LD50 Skin - Rabbit - > 10000 mg/kg

LD50 Inhalation - Rat - > 42000 mg/m³ - 1 hr

Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

Based on available data, classification data are not met

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Safety Data Sheet

Solar Salt

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on available data, classification data are not met

STOT-single exposure

Based on available data, classification data are not met

STOT-repeated exposure

Based on available data, classification data are not met

Aspiration hazard

Based on available data, classification data are not met

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

No data available on product

Components:

Sodium chloride

LC50 - Lepomis macrochirus (bluegill) - 5,840 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 1,661 mg/l - 48 h

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

Safety Data Sheet

Solar Salt

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right To Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right To Know Act.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

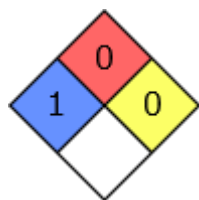
No SARA Hazards

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

HMIS Rating

Solar Salt	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating

SECTION 16: Other information

16.1 Further information/disclaimer

Safety Data Sheet

Solar Salt

Last Revised: August, 16, 2024.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.