

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.29.2021

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## Sodium Chloride Brine

### SECTION 1: Identification

#### Product identifier

**Product name:** Sodium Chloride Brine

**Synonyms:** Bulk Sodium Chloride Brine - Treated \* Bulk Sodium Chloride Brine - Untreated \* Bulk Sodium Chloride Brine - Untreated \* Driller's Choice® Sodium Chloride Brine A \* Driller's Choice® Sodium Chloride Brine B \* Sodium Chloride (Salt Brine) \* Sodium Chloride Brine

**Product code:** NS3, 922331



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Salt may be intended for several industrial applications including deicing and water conditioning.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Supplier:

##### United States

Cargill Incorporated  
15407 McGinty Rd W  
Wayzata, MN 55391  
1-800-227-4455

#### Emergency telephone number:

##### United States

VelocityEHS (formerly ChemTel, Inc)  
1-800-255-3924 (North America)  
01-813-248-0585 (International)

### SECTION 2: Hazard(s) identification

**GHS classification:** Not a hazardous substance or mixture

#### Label elements

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

#### Precautionary statements:

P264 Wash hands thoroughly after handling

P401 Store away from incompatible materials

P501 Dispose of contents and container in accordance with local, regional, national, and international regulations

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 7732-18-5	Water	74

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CAS number: 7647-14-5	Sodium chloride	26
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### Additional Information:

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### After inhalation:

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Call a physician if symptoms develop or persist.

#### After skin contact:

Wash off with soap and water. Get medical attention if irritation develops and persists.

#### After eye contact:

Rinse with water. Get medical attention if irritation develops and persists.

#### After swallowing:

Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Accidental exposure or contact might produce: Irritant effects.

#### Delayed symptoms and effects:

Not determined or not applicable.

### Immediate medical attention and special treatment

#### Specific treatment:

Treat symptomatically.

#### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards during fire-fighting:

During fire, gases hazardous to health may be formed.

### Special protective equipment for firefighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### Special precautions:

Use standard firefighting procedures and consider the hazards of other involved materials.

Use water spray to cool unopened containers.

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This product is not flammable or combustible.

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Avoid inhalation of vapors. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up.

#### Environmental precautions:

Avoid discharge into drains, water courses or onto the ground.

#### Methods and material for containment and cleaning up:

Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Dike the spilled material, where this is possible. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

#### Reference to other sections:

For waste disposal, see section 13 of the SDS.

For personal protection, see section 8 of the SDS.

### SECTION 7: Handling and storage

#### Precautions for safe handling:

Ambient temperature. Salt may re-crystallize at low temperatures. Avoid contact with eyes. Keep away from strong acids. Practice good housekeeping.

#### Conditions for safe storage, including any incompatibilities:

Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store at ambient temperature. Salt may re-crystallize at low temperatures.

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Not determined or not applicable.

#### Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal protection equipment

##### Eye and face protection:

Wear safety glasses with side shields (or goggles).

##### Skin and body protection:

Hand protection: Wear appropriate chemical resistant gloves.

Other: Wear suitable protective clothing.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

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### Respiratory protection:

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Clear to cloudy; Liquid.
Odor	Halogen odor when heated
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	32 °F (0 °C) (approx.)
Initial boiling point/range	212 °F (100 °C) (approx.)(760 mmHg)
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	2.4 mm Hg (NaCl) (1376.6 °F (747 °C))
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	1.2 (H <sub>2</sub> O = 1)
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

Molecular formula	NaCl
Molecular weight	58.44
pH in aqueous solution	5.5 - 9

## SECTION 10: Stability and reactivity

### Reactivity:

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical stability:

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Material is stable under normal conditions.

### Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

### Conditions to avoid:

Contact with incompatible materials.

### Incompatible materials:

Avoid contact with strong acids. Corrosive to some metals.

### Hazardous decomposition products:

May evolve chlorine gas when in contact with strong acids.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Sodium chloride	oral	LD50 Rat: 3000 mg/kg
	inhalation	LC50 Rat: 42,000 mg/m <sup>3</sup> (1 hr (aerosol))
	dermal	LD50 Rabbit: >10,000 mg/kg

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

Prolonged skin contact may cause temporary irritation.

**Substance data:** No data available.

### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

May cause slight eye irritation.

**Substance data:** No data available.

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

Skin sensitization: This product is not expected to cause skin sensitization.

Respiratory sensitization: Not available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

#### Product data:

Species	Result
	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Substance data:** No data available.

### International Agency for Research on Cancer (IARC):

Name	Classification
Water	Not Applicable

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Name	Classification
Sodium chloride	Not Applicable

### National Toxicology Program (NTP):

Name	Classification
Water	Not Applicable
Sodium chloride	Not Applicable

**OSHA Carcinogens:** Not applicable

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

This product is not expected to cause reproductive or developmental effects.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

Not classified.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

Not classified.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

Not an aspiration hazard.

**Substance data:** No data available.

### Information on likely routes of exposure:

Inhalation: Spray mist may irritate the respiratory system.

Skin contact: Prolonged or repeated skin contact may cause irritation. If applied to damaged skin, absorption can occur with effects similar to those via ingestion.

Eye contact: Mild eye irritation.

Ingestion: Expected to be a low ingestion hazard.

### Symptoms related to the physical, chemical and toxicological characteristics:

Eye and skin contact: Exposure may cause temporary irritation, redness, or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingesting an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

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### Other information:

In some cases of confirmed hypertension, ingestion may result in elevated blood pressure. Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach. Rare cases of over exposure can lead to systemic toxicity related to the binding of ionized blood calcium.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

#### Assessment:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Product data:** No data available.

**Substance data:** No data available.

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

#### Product data:

No data is available on the degradability of this product.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### Results of PBT and vPvB assessment

#### Product data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

#### Substance data:

##### PBT assessment:

Sodium chloride	This substance is not PBT.
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##### vPvB assessment:

Sodium chloride	This substance is not vPvB.
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### Other adverse effects:

None known.

## SECTION 13: Disposal considerations

### Disposal methods:

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations: Dispose in accordance with all applicable regulations. Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Contaminated packages:

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### SECTION 15: Regulatory information

#### United States regulations

**Inventory listing (TSCA):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:** None of the ingredients are listed.

**New Jersey Right to Know:** None of the ingredients are listed.

**New York Right to Know:** None of the ingredients are listed.

**Pennsylvania Right to Know:** None of the ingredients are listed.

**California Proposition 65:** None of the ingredients are listed.



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## SECTION 16: Other information

**Abbreviations and Acronyms:** None

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**End of Safety Data Sheet**