

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.04.2021

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## Sodium Chloride Food-Industrial (TCP Treated)

### SECTION 1: Identification

#### Product identifier

**Product name:** Sodium Chloride Food-Industrial (TCP Treated)

**Synonyms:** Alberger® Fine Flake Prepared Salt. \* Alberger® Fine Prepared Flour Salt. \* Fine Blending Evaporated Salt. \* Blending Hi-Grade® Evaporated Salt. \* Bulk Hi-Grade® Evaporated Salt with ½% TCP. \* Fine Blending Salt - TCP Treated. \* Microsized® 66 Fine Salt. \* Microsized® 81 Fine Salt. \* Microsized® 95 Extra Fine Salt. \* Premier™ Fine Prepared Flour Salt (Breux Bridge). \* Purified Sea Salt Fine, Purified Sea Salt Powder. \* Purified Sea Salt Flour.

**Additional information:** S2



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

**Relevant identified uses:** Salt is intended for food grade applications.

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

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

#### Manufacturer or supplier details

**Manufacturer:**

**United States**

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

#### Emergency telephone number:

**United States**

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 %
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CAS number: 7647-14-5	Sodium chloride	98-99.65
CAS number: 7758-87-4	Tricalcium bis(orthophosphate)	0.35-2

### Additional Information:

GRAS Substance (Generally Recognized As Safe).

## 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:

If dust from the material is inhaled, remove the affected person immediately to fresh air. 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:

Direct contact with eyes may cause temporary irritation.

#### 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 such as: Sodium oxides. Hydrogen chloride gas. Carbon oxides (CO<sub>x</sub>).

### Special protective equipment for firefighters:

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

### Special precautions:

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Use standard firefighting procedures and consider the hazards of other involved materials.  
Use water spray to cool unopened containers.  
This product is not flammable or combustible.

#### SECTION 6: Accidental release measures

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

Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

##### Environmental precautions:

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

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

If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

##### 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:

Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. 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). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

#### 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:

Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

##### Personal protection equipment

###### Eye and face protection:

Unvented, tight fitting goggles should be worn in dusty areas.

###### Skin and body protection:

Hand protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by

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the glove supplier.

Other: Wear suitable protective clothing.

#### Respiratory protection:

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. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

#### 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.

Wear appropriate thermal protective clothing, when necessary.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	White crystalline solid
<b>Odor</b>	Halogen odor
<b>Odor threshold</b>	Not determined or not available.
<b>pH</b>	4 - 9 (aqueous solution)
<b>Melting point/freezing point</b>	1473.8 °F (801 °C)
<b>Initial boiling point/range</b>	2669 °F (1465 °C) (760 mmHg)
<b>Flash point (closed cup)</b>	Not determined or not available.
<b>Evaporation rate</b>	Not determined or not available.
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	2.4 mm Hg (1376.6 °F (747 °C))
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	2.16 (H <sub>2</sub> O = 1)
<b>Solubilities</b>	26.4 % soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

#### Other information

<b>Bulk density</b>	53 - 83 lb/ft <sup>3</sup>
<b>Molecular formula</b>	NaCl
<b>Molecular weight</b>	58.44

### SECTION 10: Stability and reactivity

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### Reactivity:

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

### Chemical stability:

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. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

### Incompatible materials:

Avoid contact with strong acids. Becomes corrosive to metals when wet.

### 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
Tricalcium bis(orthophosphate)	oral	LD50 Rat: >2000 mg/kg
	dermal	LD50 Rabbit: >2000 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:

Dust in the eyes will cause 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
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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
Sodium chloride	Not Applicable
Tricalcium bis(orthophosphate)	Not Applicable

### National Toxicology Program (NTP):

Name	Classification
Sodium chloride	Not Applicable
Tricalcium bis(orthophosphate)	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:

Due to the physical form of the product it is not an aspiration hazard.

**Substance data:** No data available.

### Information on likely routes of exposure:

Inhalation: Inhalation of dusts may cause respiratory irritation.

Skin contact: Prolonged or repeated skin contact may cause irritation.

Eye contact: Dust in the eyes will cause 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

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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.

### Other information:

In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

Excessive inhalation of oil mist may affect the respiratory system. Oil mist is classified as a nuisance particulate by ACGIH.

## 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:

Name	Result
Tricalcium bis(orthophosphate)	LC50 <i>Oryzias latipes</i> : >100 mg/L (96 hours)

### 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:

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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. 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.



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**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.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

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**NFPA:** 1-0-0

**HMIS:** 1-0-0-A

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**Revision Notes:**

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2014-11-19	

**End of Safety Data Sheet**