

# Great Lakes Chloride Inc.

## Safety Data Sheet

### Section 1: Identification

#### Product identifier

- Product Name** • **Clear Drive Brine**
- Synonyms** • CDB, Brine, Salt Brine
- SDS Number/Grade** • 1

#### Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Road anti-icing and de-icing

#### Details of the supplier of the safety data sheet

- Manufacturer** • Great Lakes Chloride Inc.  
895 E 200N  
Warsaw, IN 46582  
United States  
<https://www.glchloride.com>
- Telephone (General)** • 574-267-2286

#### Emergency telephone number

- Manufacturer** • 574-267-2286

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012** • Not classified

#### Label elements

**OSHA HCS 2012**

- Hazard statements** • No label element(s) required

#### Other hazards

- OSHA HCS 2012** • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

#### Canada

According to: WHMIS 2015

#### Classification of the substance or mixture

- WHMIS 2015** • Not classified

#### Label elements

**WHMIS 2015**

- Hazard statements** • No label element(s) required

**Precautionary statements****Other hazards****WHMIS 2015**

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**Section 3 - Composition/Information on Ingredients****Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

Composition				
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive	Comments
Sodium chloride	CAS:7647-14-5	<= 26%	OSHA HCS 2012: Not Classified WHMIS 2015: Not Classified	NDA

**Section 4: First-Aid Measures****Description of first aid measures****Inhalation**

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye**

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**

- If large quantities are swallowed, call a physician immediately.

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

- Refer to Section 11 - Toxicological Information.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Section 5: Fire-Fighting Measures****Extinguishing media**

**Suitable Extinguishing Media** • Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

**Unsuitable Extinguishing Media** • No data available

**Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards** • No unusual fire or explosion hazards known.

**Hazardous Combustion Products** • No data available

**Advice for firefighters** • Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Wear suitable protective clothing, gloves, and eye/face protection.

**Emergency Procedures** • Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

### Environmental precautions

- None expected to be necessary if material is used under ordinary conditions and as recommended.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Cover with absorbent or contain. Collect and dispose.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** • Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

### Conditions for safe storage, including any incompatibilities

**Storage** • Avoid storage with strong acids and strong oxidizing agents.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

**Exposure Limits/Guidelines** • No applicable exposure limits available for product or components.

### Exposure controls

**Engineering Measures/Controls** • Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

### Personal Protective Equipment

**Respiratory** • In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye/Face** • Wear safety glasses.

**Skin/Body** • Wear appropriate gloves.

**General Industrial Hygiene Considerations** • Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** • Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Clear liquid.
Color	Clear	Odor	No data available
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	110 °C(230 °F)	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	7
Specific Gravity/Relative Density	= 1.2 Water=1	Water Solubility	Soluble 100 %
Viscosity	No data available		
<b>Volatility</b>			
Vapor Pressure	13 mmHg (torr) @ 20 °C(68 °F)	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- No dangerous reaction known under conditions of normal use.

### Chemical stability

- Stable

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Incompatible materials.

### Incompatible materials

- Strong oxidizing agents, strong acids.

### Hazardous decomposition products

- Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

## Section 11 - Toxicological Information

### Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available WHMIS 2015 • No data available

<b>Skin corrosion/Irritation</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Serious eye damage/Irritation</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Skin sensitization</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Respiratory sensitization</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Aspiration Hazard</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Carcinogenicity</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>STOT-SE</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available
<b>STOT-RE</b>	OSHA HCS 2012 • No data available WHMIS 2015 • No data available

**Potential Health Effects**

**Inhalation**

**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

**Chronic (Delayed)**

- No data available.

**Skin**

**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**

- No data available.

**Eye**

**Acute (Immediate)**

- Based upon practical use and experience using this product eye irritation is not expected to occur.

**Chronic (Delayed)**

- No data available.

**Ingestion**

**Acute (Immediate)**

- Ingestion may cause the following symptoms - diarrhea.

**Chronic (Delayed)**

- No data available.

**Key to abbreviations**

LD = Lethal Dose

**Section 12 - Ecological Information**

**Toxicity**

- Material data lacking.

**Persistence and degradability**

- Material data lacking.

**Bioaccumulative potential**

- Material data lacking.

**Mobility in Soil**

- Material data lacking.

**Results of PBT and vPvB assessment**

- No PBT and vPvB assessment has been conducted.

**Other adverse effects**

- No studies have been found.

**Section 13 - Disposal Considerations**

**Waste treatment methods**

**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Section 14 - Transport Information**

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

- No data available

**Section 15 - Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications** • None

State Right To Know				
Component	CAS	MA	NJ	PA
Sodium chloride	7647-14-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Sodium chloride	7647-14-5	Yes	No	Yes	Yes	No

Inventory (Con't.)		
Component	CAS	TSCA
Sodium chloride	7647-14-5	Yes

## United States

### Labor

**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Sodium chloride 7647-14-5 Not Listed

### Environment

**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Sodium chloride 7647-14-5 Not Listed

## United States - California

### Environment

**U.S. - California - Proposition 65 - Carcinogens List**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Sodium chloride 7647-14-5 Not Listed

## United States - Pennsylvania

### Labor

**U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Sodium chloride 7647-14-5 Not Listed

**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

• Sodium chloride

7647-14-5

Not Listed

## Section 16 - Other Information

**Preparation Date**

- 08/September/2020

**Disclaimer/Statement of Liability**

- The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

**Key to abbreviations**

NDA = No Data Available