



City of North Royalton

Mayor Larry Antoskiewicz

Nick Cinquepalmi

Service Director

Service Department

440-582-3002

fax 440-582-3089

TO: Streets Committee – Joanne Krejci, Chair
Linda Barath, Vice Chair
Paul Marnecheck

FROM: Nick Cinquepalmi, Service Director

DATE: May 25, 2022

RE: 2022-2023 Salt Bid Recommendation

Please find attached Bid Tabulation from the Friday, May 20, 2022 bid opening intended for Supplying Sodium Chloride for 2022-2023 Winter Season Consortium.

I am recommending the City of North Royalton accept the bid of **Cargill** as the lowest and best bid for Untreated Sodium Chloride for the 2022-2023 season.

I am requesting that bid recommendation be placed on the next Council Agenda meeting for approval. If there are any questions, do not hesitate to contact me. Thanks.

/aca

Encl.

c: Mayor Larry Antoskiewicz
Dana Schroeder, Legislative Director
File

BID TABULATION: Supplying Sodium Chloride (November 1, 2022 - October 31, 2023)

Purchasing Consortium Cities: Beachwood, Berea, Brecksville, Broadview Heights, Brooklyn, Brooklyn Heights, Cuyahoga County, Independence, Lakewood, Middleburg Heights, North Royalton, Valley View

Bid Opening: Friday, May 20, 2022 9:00 a.m.

Present: Becki Riser, City of Brecksville; Ron Weidig, City of Brecksville; Kaitlyn Jackson, Cargill Salt; Heather Campbell, Cargill Salt; Jessica Bauman, Cargill Salt; Nora Mouggadim, Cargill Salt

PLANHOLDERS

Allied Solution Enterprise
Cargill, Inc.-Salt, Road Safety
Compass Minerals America, Inc.
Morton Salt, Inc.

KEY SUMMARY OF BID SUBMISSIONS

Cost for First Year 11/1/2022 – 10/31/2023:

| | <u>Untreated - Per Ton, Dump</u> | <u>Treated – Per Ton, Dump</u> |
|----------------------------|----------------------------------|--------------------------------|
| ALLIED SOLUTION ENTERPRISE | NO BID | NO BID |
| CARGILL | \$52.21 | \$68.32 |
| MORTON SALT, INC. | \$61.76 | NO BID |
| COMPASS MINERALS | \$77.99 | NO BID |

CARGILL, INC. SALT, ROAD SAFETY

To supply in accordance with specifications, for a one-year period, the sum of:

Cost for First Year (11/1/22 – 10/31/23), Untreated Sodium Chloride:

\$52.21 Per Ton, Dump Delivery \$59.21 Per Ton, Piler Delivery

Cost for First Year (11/1/22 – 10/31/23), Treated Sodium Chloride:

\$68.32 Per Ton, Dump Delivery \$75.32 Per Ton, Piler Delivery

Products Bid: Sodium Chloride for Ice Control & Enhanced ClearLane Deicer

80% Contractual Minimum/140% Maximum: Yes

Second and Third Year Optional Extensions: Yes

Guaranteed Delivery Within 24-72 Hours? Yes

Minimum Order? Yes.....Quantity: 22 Tons/Dump 200 Tons/Piler

Exceptions: Cargill, Inc.-Salt, Road Safety may subsequently agree to supply additional tons of product on mutually agreeable terms, on a request-by-request basis. Under no circumstances shall Cargill, Inc. be obligated to pay damages or penalties for failing to supply product in excess of the maximum quantity.

Name & Address of Bidder:

Cargill, Inc. – Salt, Road Safety
24950 Country Club Blvd., Suite 450
North Olmsted, OH 44070
Phone: 800-600-7258 Fax: 888-739-8705

Contact: Kaitlyn Jackson, Customer Care Representative
Kaitlyn_Jackson@Cargill.com

MORTON SALT, INC.

To supply in accordance with specifications, for a one-year period, the sum of:

Cost for First Year (11/1/22 – 10/31/23), Untreated Sodium Chloride:

\$61.76 Per Ton, Dump Delivery \$71.76 Per Ton, Piler Delivery

Cost for First Year (11/1/22 – 10/31/23), Treated Sodium Chloride:

No Bid No Bid

Products Bid: Morton Bulk Safe-T-Salt

80% Contractual Minimum/140% Maximum: Yes

Second and Third Year Optional Extensions: Yes

Guaranteed Delivery Within 24-72 Hours? Yes

Minimum Order? Yes.....Quantity: 20-25 Tons /Dump 500 Tons/Piler

Exceptions: None.

Name & Address of Bidder:

Morton Salt, Inc.
444 West Lake Street, Suite 3000
Chicago, IL 60606
Phone: 855-665-4540 Fax: 312-896-9208

Contact: Anthony Patton, Director, Bulk Deicing US Government Sales
bids@mortonsalt.com

COMPASS MINERALS

To supply in accordance with specifications, for a one-year period, the sum of:

Cost for First Year (11/1/22 – 10/31/23), Untreated Sodium Chloride:

\$77.99 Per Ton, Dump Delivery

\$87.99 Per Ton, Piler Delivery

Cost for First Year (11/1/22 – 10/31/23), Treated Sodium Chloride:

No Bid

No Bid

Products Bid:

Untreated Sodium Chloride

80% Contractual Minimum/140% Maximum:

Yes

Second and Third Year Optional Extensions:

No

Guaranteed Delivery Within 24-72 Hours?

Yes

Minimum Order?

Yes..... Quantity:

25 Tons/Dump

400 Tons /Piler

Exceptions:

None.

Name & Address of Bidder:

Compass Minerals America, Inc.

9900 West 109th Street

Overland Park, KS 66210

Phone: 800-323-1641 Fax: 913-338-7945

Contact:

Joel Gerdes, Director of U.S. Highway Sales

highwaygroup@compassminerals.com - Correspondence

BID FORM

To supply in accordance with the specifications for a one-year period:

Cost for FIRST year, Untreated Sodium Chloride:

\$ 52.21 Per Ton, Dump Delivery

\$ 59.21 Per Ton, Piler Delivery

Cost for FIRST year, Treated Sodium Chloride:

\$ 68.32 Per Ton, Dump Delivery

\$ 75.32 Per Ton, Piler Delivery

Products Bid: Sodium Chloride for Ice Control and Enhanced ClearLane Deicer

80% Contractual Minimum/140% Maximum, per CMA: ✓ Yes No
(based on Estimated Quantities, pg.4)

Guaranteed Delivery Within 24 - 72 Hours? ✓ Yes No
(as outlined in Delivery specifications, pg. 5)

Second and Third Year Optional Extensions*: ✓ Yes No

**Optional second year and third year extensions of the contract based upon acceptance by the CMA of prices negotiated through the consortium administrator on behalf of all consortium members.*

Minimum Order? No. ✓ Yes, Quantity: 22 /Dump 200 /Piler

Name & Address of Bidder:

Cargill, Incorporated- Salt, Road Safety

24950 Country Club Blvd., Suite 450

North Olmsted, OH 44070

Phone: (800)- 600-7258 Fax: (440)- 716-0763

Email: Salt_Customercareroadsafety@cargill.com

Authorized Signature:

Malinda Urian

Malinda Urian

(Please type or print name)

Title:

Customer Care Representative

Enclosed: Bid Guaranty/Contract Bond ✓ 10% Bid Bond Bid Check, Amount \$

Date of Bid Submission: May 20th, 2022 **Last Addendum Received:** N/A

EXCEPTION SHEET

Please list any and all exceptions to the specifications upon which your bid is based. If there are no exceptions listed on this page, your bid will be considered to be in complete accordance with specifications.

Cargill, Incorporated- Salt, Road Safety may subsequently agree to supply additional tons of product on mutually agreeable terms, on a request-by-request basis. Under no circumstances shall Cargill, Incorporated be obligated to pay damages or penalties for failing to supply product in excess of the maximum quantity.

NAME OF BIDDER Cargill, Incorporated- Salt, Road Safety

REFERENCES

List references for similar contract work completed during the last two years. Include name and phone number of a contact person for each reference listed.

1. Company or Municipality Name _____
 Address _____
 Contact Name _____
 Phone _____ Email _____
 Contract Date _____

2. Company or Municipality Name _____
 Address _____
 Contact Name _____
 Phone _____ Email _____
 Contract Date _____

3. Company or Municipality Name _____
 Address _____
 Contact Name _____
 Phone _____ Email _____
 Contract Date _____

NAME OF BIDDER Cargill, Incorporated- Salt, Road Safety

**CITY OF BRECKSVILLE BIDDER'S AFFIDAVIT
PERSONAL PROPERTY TAX DELINQUENCY**

RE: City of Brecksville

Bid: Supplying Sodium Chloride in 2022/2023
Personal Property Tax Certification
Required by Ohio Revised Code
Section 5719.042

City of Brecksville
9069 Brecksville Road
Brecksville, OH 44141

Dear Sir:

Cargill, Incorporated- Salt, Road Safety
Company Name


~~President/Owner~~
ROAD SAFETY MANAGING DIRECTOR

(A) The above hereby certifies that the party to whom contract award is being considered was not charged with any delinquent personal property tax on the general tax list of personal property for any county in the State of Ohio at the time the bid was submitted for the above referenced contract.

OR

Company Name

President/Owner

(B) The above hereby certifies that the party to whom contract award is being considered has been charged with a delinquency regarding personal property tax on the general tax list of personal property for any county in the State of Ohio at the time of bid opening for the above referenced contract. The amount of the due and unpaid delinquent taxes, including any due and unpaid penalties and interest thereon, is \$_____. It is understood that the Treasurer is required to transmit this statement to the County Treasurer.

It is understood that, by law, this statement is to be signed by the party whose bid has been tentatively accepted, and must be affirmed under oath. If the statement indicates that the taxpayer was charged with any such taxes, a copy of the statement shall be transmitted to the Cuyahoga County Fiscal Officer within thirty days of the date it is submitted. The statement must be incorporated into the contract before any payment can be made under the subject contract.

SWORN TO before me and subscribed in my
presence this _____ day of _____, 20____

Notary Public

CERTIFICATE OF COMPLIANCE

By signing this certificate, I certify that I/my company is in full compliance with the political contributions limitations established in Ohio Revised Code 3517.13, and is therefore eligible to receive a contract from each City represented in this bid, except the City of None (state NONE if no exceptions).

Ohio Revised Code 3517.13 states in part that no political subdivision shall award any contract for the purchase of goods or services with a cost aggregating more than ten thousand dollars in a calendar year, to any individual, partnership or other unincorporated business, if any member of the firm, their spouse and/or certain other individuals has made, within the previous twenty-four months, one or more contributions totaling in excess of one thousand dollars to the holder of the public office having ultimate responsibility for the award of the contract or to the public officer's campaign committee, or one or more contributions totaling in excess of two thousand dollars for the business. Bidders are responsible for understanding the code, how it pertains to their business and whether they comply. The complete Code can be found at <http://codes.ohio.gov/orc/3517.13>.

A list of City officials for each community can be found on their websites.

| | |
|----------------------|---|
| COMPANY NAME | <u>Cargill, Incorporated- Salt, Road Safety</u> |
| ADDRESS | <u>24950 Country Club Blvd., Suite 450</u> <u>North Olmsted, OH 44070</u> |
| AUTHORIZED SIGNATURE | <u></u> |
| PRINTED NAME | <u>Malinda Urian</u> |
| EMAIL ADDRESS | <u>Salt_Customercareroadsafety@cargill.com</u> |
| DATE SIGNED | <u>5/17/2022</u> |

.....

DESCRIPTION OF WORK TO BE PERFORMED

Supplying Sodium Chloride & Delivery When Required

NON-COLLUSION AFFIDAVIT OF PRIME BIDDER

State of Ohio)
County of CUYAHOGA) ss

Malinda Urian, being first duly sworn, deposes and
says that:

He/She is Customer Care Representative of Cargill, Incorporated- Salt, Road Safety, the bidder that
has submitted the attached bid;

He is fully informed respecting the preparation and contents of the attached bid and all
pertinent circumstances respecting such bid;

Such bid is genuine and is not a collusive or sham bid; either the said bidder nor any of its officers, partners,
owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way
colluded, conspired, connived, or agreed directly or indirectly with any other bidder, firm, or person to submit a
collusive or sham bid in connection with the contract for which the attached bid has been submitted, or to
refrain from bidding in connection with such contract, or has in any manner directly or indirectly sought by
agreement, collusion, communication, or conference with any other bidder, firm, or person to fix the price or
prices in the attached bid or of any other bidder, or to fix any overhead, profit, or cost element of bid price or
the bid price of any other bidder, or to secure through any collusion, conspiracy, connivance, or unlawful
agreement any advantage against the City of Brecksville, Ohio, or any person interested in the proposed
contract; and the price or prices quoted in the attached bid are fair, proper, and not tainted by any
collusion, conspiracy, connivance, or unlawful agreement on the part of the bidder or any of its agent's
representatives, owners, employees, or parties in interest, including this affiant.

Signed:

Malinda Urian

Title:

Customer Care Representative

Subscribed and sworn to before me this 17th day of May, 2022.

Jean R Davis
Notary Public Signature

My Commission expires 9/25/22

JEAN R DAVIS
NOTARY PUBLIC STATE OF OHIO
MY COMMISSION EXPIRES 9/25/22

FINDINGS FOR RECOVERY CERTIFICATION

I am aware that Ohio law, under certain circumstances, prohibits a political subdivision from awarding a contract for goods, services or construction to any person against whom a finding of recovery has been issued by the Auditor of State, if that finding is unresolved.

I hereby certify that an unresolved finding for recovery has not been issued against:

Cargill, Incorporated- Salt, Road Safety

(Company Name)

Signature:

Malinda Urian

Printed Name:

Malinda Urian

Title:

Customer Care Representative

Date:

5/17/2022

****Please see attached ****

Supplying Sodium Chloride Specifications
May 2022

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BID GUARANTY AND CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned _____, as Principal and _____ as Surety, are hereby held and firmly bound unto the City of Brecksville, Ohio as Obligee in the penal sum of the dollar amount of the bid submitted by the Principal to the Obligee on _____, 20____, to undertake the project known as **Supplying Sodium Chloride to Municipal Purchasing Consortium.**

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Obligee, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee. In no case shall the penal sum exceed the amount of 100 percent of the payment of the penal sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION, IS SUCH that whereas the above named Principal has submitted a bid for the project.

NOW, THEREFORE, if the Obligee accepts the bid of the principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the Obligee the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid and such larger amount for which the Obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the Obligee does not award the contract to the next lowest bidder and resubmits the project for bidding, the Principal pays to the Obligee the difference not to exceed the percent of the penalty hereof between the amount specified in the bid or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the Obligee accepts the bid of the Principal and the Principal within ten days after receipt of notification of award of the contract enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein:

NOW ALSO, if the said Principal shall well and faithfully do and perform the things agreed by the Principal to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward, performing or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materialman or laborer having a just claim, as well as for the Obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of the said contract or in or to the plans or specifications therefore shall in any way affect the obligations of said Surety on its bond.

Signed this _____ day of _____, 20____.

PRINCIPAL:

By: _____

Title: _____

SURETY COMPANY ADDRESS:

Street

City

State

Zip

SURETY:

By: _____

Attorney-in Fact

SURETY AGENT'S ADDRESS:

Agency Name

Street

State

Zip



Salt, Road Safety
24950 Country Club Blvd, Suite 450
North Olmsted, OH 44070

CUSTOMER REFERENCES

STATE OF KENTUCKY

Michael Williams, Snow and Ice Coordinator
11234 Wilkinson Blvd.
Frankfort, KY 40622-0001
PHONE 502-782-5616

STATE OF OHIO

Thomas Pannett, Administrator
1980 West Broad St.
Columbus, OH 43223
PHONE 614-728-2071

STATE OF WEST VIRGINIA

W.Kyle Stollings PE, Director Maintenance Div.
Bldg 5 Rm A-350
1900 Kanawha Blvd., East
Charleston, WV 25305
PHONE 304-558-2901

STATE OF MICHIGAN

Steve Motz, Administrator
525 W Allegan St.
Lansing, MI 48909
Phone 517-331-6086



Salt, Road Safety
24950 Country Club Blvd, Suite 450
North Olmsted, OH 44070

Clearlane® Enhanced Deicer References

- 1) Town of Newington (CT)
Contact: Tom Molloy
131 Cedar St
Newington, CT 06111
Ph# (860) 667-5810
- 2) Town of Webster (MA)
Contact: Kenneth Pizzetti
23 Cudworth Rd.
Webster, MA 01570
Ph# (508) 949-3862
- 3) City of St. Paul (MN)
Contact: Chris Reese- Street Maintenance Supervisor III
873 North Dale Street
St. Paul, MN 55103
Ph# (651) 261-9703
- 4) City of Noblesville (IN)
Contact: Patty Johnson
1575 Pleasant Street
Noblesville, IN 46060
Ph# (317) 776-6348 ext. 113
- 5) City of Bloomington (IN)
Contact: Joe Vandeventer
1981 South Henderson
Bloomington, IN 47401
Ph# (812) 327-3336
- 6) City of Indianapolis (IN)
Contact: Steve Pruitt
1725 South West St
Indianapolis, IN 46225
Ph# (317) 327-2912
- 7) Abraxus Snow Removal (OH)
Contact: Frank Dedon
P.O. Box 30550
Cleveland, OH 44130
Ph# (216) 244-6793



SAFETY DATA SHEET

1. Identification

Product Identifier ClearLane® enhanced deicer

Other means of Identification

SDS number NC19

Synonyms Sodium Chloride mixed with Magnesium Chloride

Recommended use Salt may be intended for several industrial applications including deicing.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Cargill Incorporated

Address Minneapolis, MN 55440

Telephone 1-888-385-7258

Website www.cargillsalt.com

Emergency telephone number CHEMTREC (800) 424-9300

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on Ingredients

Mixtures

| Chemical name | CAS number | % |
|--------------------|------------|-------------|
| Sodium Chloride | 7647-14-5 | 91.0-96.0 |
| Water | 7732-18-5 | 2.3-3.6 |
| Magnesium chloride | 7786-30-3 | 1.0-1.3 |
| Sodium Gluconate | 527-07-1 | <0.02 |
| Xanthan gum | 11138-66-2 | <0.02 |
| FD&C Blue No. 1 | 3844-45-9 | 0.05 – 0.20 |
| FD&C Red 40 | 25956-17-6 | 0.05 – 0.20 |
| Tartrazine | 1934-21-0 | 0.05 – 0.20 |

4. First-aid measures

| | |
|---|---|
| Inhalation | If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Eye contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Use extinguishing agent suitable for type of surrounding fire. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed such as: Carbon oxides (COx). Hydrogen chloride gas. Metal oxides. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Use water spray to cool unopened containers. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | This product is not flammable or combustible. |

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. |
| Methods and materials 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. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

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. May evolve chlorine gas when in contact with strong acids. Hydrogen chloride release above 1400°F. Do not reuse containers. 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. Keep out of reach of children. |

8. Exposure controls/personal protection

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| 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. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Unvented, tight fitting goggles should be worn in dusty areas. |

| | |
|---------------------------------------|---|
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Skin protection | |
| 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. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | 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. |

9. Physical and chemical properties

| | |
|---|---|
| Appearance | Green damp crystalline solid. |
| Physical state | Solid. |
| Form | Damp crystalline solid. |
| Color | Green. |
| Odor | None. |
| Odor threshold | Not available. |
| pH | 7 - 8.6 |
| Melting point/freezing point | 1473.8 °F (801 °C) |
| Initial boiling point and boiling range | 2669 °F (1465 °C) (760 mmHg) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 2.4 mm Hg (1376.6 °F (747 °C)) |
| Vapor density | Not available. |
| Relative density | 2.16 (H ₂ O = 1) |
| Solubility(ies) | |
| Solubility (water) | 26.4 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Bulk density | 72 - 80 lb/ft ³ |
| Molecular formula | NaCl, MgCl ₂ |
| Molecular weight | NaCl = 58.44, MgCl ₂ = 95.22 |
| pH in aqueous solution | 5 - 9 |

10. Stability and reactivity

| | |
|---------------------------|---|
| 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, caustics, ammonia and cyanides. Sodium chloride is incompatible with lithium and bromine trifluoride. Magnesium chloride is incompatible with Furan-2-peroxycarboxylic acid. |
| Hazardous decomposition products | May evolve chlorine gas when in contact with strong acids. Possibly chlorine, nitrogen and sodium containing compounds. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---|---|
| Inhalation | Inhalation of dusts may cause respiratory irritation. |
| 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 | 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 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. |

Information on toxicological effects

| | |
|-----------------------|--|
| Acute toxicity | 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. |
|-----------------------|--|

| Components | Species | Test Results |
|--|--|--------------|
| Magnesium chloride (CAS 7786-30-3) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 2800 mg/kg |
| Sodium Chloride (CAS 7647-14-5) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 3000 mg/kg |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Serious eye damage/eye irritation | Dust in the eyes will cause irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not available. | |
| Skin sensitization | This product is not expected to cause skin sensitization. | |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| FD&C Blue No. 1 (CAS 3844-45-9) | 3 Not classifiable as to carcinogenicity to humans. | |
| NTP Report on Carcinogens | | |
| Not listed. | | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) | | |
| Not regulated. | | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. | |
| Specific target organ toxicity - single exposure | Not classified. | |

Specific target organ toxicity - repeated exposure Not classified.

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

12. Ecological information

Ecotoxicity 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.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects None known.

13. Disposal considerations

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 packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Acute toxicity (any route of exposure)

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

FD&C Blue No. 1 (CAS 3844-45-9)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Magnesium chloride (CAS 7786-30-3)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|---------------|--|
| Issue date | 30-December-2014 |
| Revision date | 16-April-2018 |
| Version # | 04 |
| HMIS® ratings | Health: 1 Flammability: 0 Physical hazard: 0 Personal protection: A |

Disclaimer

All statements, technical information and recommendations contained herein are, the best of our knowledge, reliable and accurate; however no warranty, either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of this Company or others covering any process, composition of matter or use.



Technical Information *ClearLane® enhanced deicer*

DESCRIPTION:

ClearLane® enhanced deicer is an enhanced deicing salt product containing a pre-wetting agent, coloring agent, and a corrosion inhibitor. It is a highly effective performer that protects exposed steel surfaces from damp salt corrosion and remains free-flowing at low temperatures. It adheres to the road surface more effectively than dry salt, minimizing loss of deicer from wind and traffic scatter, providing more efficient deicing.

COMPLIANCE:

ClearLane® enhanced deicer is not approved for human or animal consumption. It is intended for use only as a chemical deicer on roadways and thoroughfares.

ADDITIVES:

ClearLane® enhanced deicer contains a patent pending pre-wetting agent.

APPLICATION:

ClearLane® enhanced deicer can be applied at the same rate as regular highway deicing salt. Depending on the conditions present at the time of application, **ClearLane® enhanced deicer** may be applied at lower application rates than regular deicing salt.

HANDLING AND STORAGE:

ClearLane® enhanced deicer requires no additional handling, equipment or labor over and above that used for regular highway deicing salt. To improve caking resistance and reduce run-off, it is recommended that the product be stored in a covered storage shed or tarped. Normal precautionary measures for the safe handling of deicers should be observed.

PACKAGING:

ClearLane® enhanced deicer is available only in bulk form.

CARGILL DEICING TECHNOLOGY

24950 Country Club
Blvd. Ste 450
North Olmsted, OH
44070
1-800-600-7258

METHODS OF ANALYSIS:

Methods of analysis are taken from the ASTM designations D 632-99, E 534-98, and from Cargill Salt. pH is reported on a dilution of 1 part pre-wetting agent to 4 parts water.

CHEMICAL ANALYSIS OF TREATED SALT

| Component | Units | Typical |
|------------------------------|-------|---------|
| Sodium Chloride Deicing Salt | % | 95.9 |
| Pre-wetting Agent | % | 4.1 |

CHEMICAL ANALYSIS OF PRE-WETTING AGENT

| Component | CAS | Units | Typical |
|--------------------|-------------|-------|-------------|
| Water | 7732-18-5 | % | 67 - 70 |
| Magnesium chloride | 7786-30-3 | % | 26 - 29 |
| Sodium gluconate | 527-07-1 | % | 0.25 - 0.35 |
| Xanthan Gum | 11138-66-2 | % | 0.2 - 0.4 |
| Colorant Blend | | % | 0.01 - 0.06 |
| FDC Blue 1 | 3844-45-9 | | |
| Tartrazine | 1934-21-0 | | |
| FD&C Red 40 | 25956-17-6 | | |
| Trans-2851 | proprietary | ppm | 0.4 - 0.8 |
| pH | | | 7.0 - 8.6 |

SIEVE ANALYSIS:

| U.S.S. Mesh | Opening Inches | Opening Microns | Specification |
|----------------|-------------------|--------------------|---------------|
| 1/2" | 0.500 | 12700 | 100 |
| 3/8" | 0.375 | 9525 | 95 - 100 |
| 4 | 0.187 | 4760 | 20 - 90 |
| 8 | 0.0937 | 2380 | 10 - 60 |
| 30 | 0.0232 | 590 | 0 - 15 |

Note: Sieve analysis is reported as percent passing. The dry salt utilized in this product complies fully with ASTM specification D632-99, Type 1, Grade 1. Sieve analysis of the final product differs from the ASTM dry salt specification due to the effect of the liquid prewetting agent on the sieve.

PRODUCING LOCATIONS: VARIOUS LOCATIONS ACROSS THE U.S.

Material Number 100012763

No. 7714- Sept 2015 Rev 11

NOTICE: All of the above statements, recommendations, suggestions and data are based on our laboratory results, and we believe same to be reliable. Nevertheless, with the exception of data showing an express guaranty (such as in the case of products specifically designed for use as nutrient supplements), all such statements, recommendations, suggestions and data hereinabove presented are made without guaranty, warranty or responsibility of any kind on our part.

Bulk Ice Control Salt



Product Description and Application

Bulk Ice Control Salt

This product is a coarse screened, sodium chloride salt obtained from underground bedded salt deposits extracted by physical mining. This salt is intended for use only as a chemical deicer on highways and roadways.

This salt complies with ASTM D 632, Type 1, Grade 1, Standard Specification for Sodium Chloride. This salt may contain Yellow Prussiate of Soda, which is added to improve caking resistance.

This product is not approved for human or animal consumption and is intended for use only in chemical or industrial applications.

Methods of Analysis

Methods of analysis and product performance evaluation based on ASTM E 534, ASTM D 632 and Cargill internal methods.

Producing Locations

This product is mined at Cargill Salt locations, Avery Island, LA; Cleveland, OH; Lansing, NY. Product of the USA.



Physical Information

Chemical Analysis

| PHYSICAL | TYPICAL |
|--|----------|
| Sodium Chloride (dry) CAS No. 7647-14-5 % | 98.0 |
| Water Insolubles % | 2.0 max. |
| Surface Moisture % | 1.0 max |
| Yellow Prussiate of Soda* CAS No. 13601-19-9 ppm | 50 |

*Optional anti-caking agent

Sieve Analysis

| PERCENT PARTICLE SIZE DISTRIBUTION (SCREENS) | OPENING INCHES | OPENING MICRONS | TYPICAL % PASSING |
|--|----------------|-----------------|-------------------|
| Sieve - USS 1/2 Mesh Retained | 0.500 | 12500 | 100 |
| Sieve - USS 3/8 Mesh Retained | 0.375 | 9500 | 98 |
| Sieve - USS 4 Mesh Retained | 0.187 | 4750 | 75 |
| Sieve - USS 8 Mesh Retained | 0.0937 | 2360 | 42 |
| Sieve - USS 30 Mesh Retained | 0.0232 | 600 | 10 |

Bulk Density

| PARAMETER | TYPICAL |
|-----------------------|---------|
| Pounds per Cubic Foot | 75 |
| Grams per Liter | 1200 |

Product Configuration

| PRODUCT NAME | SAP DESCRIPTION | SAP NUMBER |
|-----------------------|------------------------------|------------|
| Bulk Ice Control Salt | | |
| Bulk | DEICER SALT ICE CNTRL BLK DR | 100011135 |

Why Cargill?

- Salt products are an integral part of Cargill – one of the world's largest food ingredient providers and a recognized leader in the food processing industry.
- Our products go well beyond standard and high purity salt: Our Alberger® brand, Microsized®, Premier™, CMF®, sea salts, and our sodium reduction solutions such as Potassium Pro® and FlakeSelect®, make up the most extensive product line in the industry.
- We offer full EDI capabilities for customers who need to exchange information via Electronic Data Interchange and the only online ordering portal in the industry, www.cargillsaltstore.com.
- Cargill's nationwide distribution capabilities, combined with the best logistics and customer service specialists in the business, ensure that you get the right salt at the right time.

www.cargillsaltstore.com

Customer Service: (800) 600-SALT (7258)

CONTACT

Cargill Salt
P.O. Box 5621
Minneapolis, MN 55440
Phone: 888-385-SALT (7258)
www.cargillsalt.com

All specifications are approximate. Please contact your broker or Cargill representative for exact specifications.

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SALT-3892 (10/19)

www.cargillsalt.com
www.cargilldeicing.com





SAFETY DATA SHEET

1. Identification

Product identifier Bulk Ice Control Salt with YPS

Other means of Identification

SDS number NB2

Synonyms Bulk Rock Salt with YPS * Ice Control Salt. * Halite * Sodium Chloride (Salt).

Recommended use Salt is intended for several industrial applications including deicing.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company name Cargill Incorporated

Address Minneapolis, MN 55440

Telephone 1-888-385-7258

Website www.cargillsalt.com

Emergency telephone number CHEMTREC (800) 424-9300

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental Information None.

3. Composition/Information on Ingredients

Mixtures

| Chemical name | CAS number | % |
|---------------------------------|------------|---------------|
| Sodium Chloride | 7647-14-5 | 95.8-99.8 |
| Sodium Ferrocyanide Decahydrate | 13601-19-9 | 0.0050-0.0100 |

GRAS Substance (Generally Recognized As Safe).

4. First-aid measures

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

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

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

| | |
|---|--|
| Ingestion | Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed such as: Carbon oxides (CO _x). Hydrogen Chloride (HCl). Hydrogen cyanide. Metal oxides. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Use water spray to cool unopened containers. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | This product is not flammable or combustible. |

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. |
| Methods and materials 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. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

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. |

8. Exposure controls/personal protection

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| 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. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Unvented, tight fitting goggles should be worn in dusty areas. |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Skin protection | |
| 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. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |

General hygiene considerations

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.

9. Physical and chemical properties

| | |
|--|--------------------------------|
| Appearance | White crystalline solid |
| Physical state | Solid. |
| Form | Crystalline solid. |
| Color | White to opaque |
| Odor | Halogen odor when heated |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | 1473.8 °F (801 °C) |
| Initial boiling point and boiling range | 2669 °F (1465 °C) (760 mmHg) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 2.4 mm Hg (1376.6 °F (747 °C)) |
| Vapor density | Not available. |
| Relative density | 2.16 (H ₂ O = 1) |
| Solubility(ies) | |
| Solubility (water) | 26.4 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Bulk density | 35 - 83 lb/ft ³ |
| Molecular formula | NaCl |
| Molecular weight | 58.44 |
| pH in aqueous solution | 6 - 9 |

10. Stability and reactivity

| | |
|------------------------------------|---|
| 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. |

11. Toxicological Information

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 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.

Information on toxicological effects

| | |
|----------------|---|
| Acute toxicity | In some cases of confirmed hypertension, ingestion may result in elevated blood pressure. |
|----------------|---|

| Components | Species | Test Results |
|---------------------------------|---------|--------------|
| Sodium Chloride (CAS 7647-14-5) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 3000 mg/kg |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. |
| Serious eye damage/eye irritation | Dust in the eyes will cause irritation. |

Respiratory or skin sensitization

| | |
|---------------------------|--|
| Respiratory sensitization | Not available. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1063)

Not regulated.

| | |
|--|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Due to the physical form of the product it is not an aspiration hazard. |

12. Ecological Information

| | |
|-------------------------------|--|
| Ecotoxicity | 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. |
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulative potential | No data available. |
| Mobility in soil | No data available. |
| Other adverse effects | None known. |

13. Disposal considerations

| | |
|----------------------------|--|
| 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 packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information, including date of preparation or last revision

| | |
|---------------|--|
| Issue date | 12-August-2014 |
| Revision date | 18-February-2018 |
| Version # | 02 |
| HMIS® ratings | Health: 1 Flammability: 0 Physical hazard: 0 Personal protection: A |

Disclaimer All statements, technical information and recommendations contained herein are, the best of our knowledge, reliable and accurate; however no warranty, either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of this Company or others covering any process, composition of matter or use.

BID BOND

KNOW ALL BY THESE PRESENTS, That we, Cargill, Incorporated - Salt, Road Safety
_____ of 24950 Country Club Blvd., #450, North Olmstead, OH 44070

(hereinafter called the Principal), as Principal, and Liberty Mutual Insurance Company

(hereinafter called the Surety), as Surety are held and firmly bound unto CITY OF BRECKSVILLE

(hereinafter called the Obligee) in the penal sum of THREE HUNDRED SIXTY FOUR THOUSAND

NINE HUNDRED TWENTY-FIVE & FORTY CENTS Dollars (\$364,925.40)

for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, That WHEREAS, the Principal has submitted or is about to submit a proposal to the Obligee on a contract for Bulk Road Salt

NOW, THEREFORE, If the said Contract be timely awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing, and give bond, if bond is required, with the surety acceptable to the Obligee for the faithful performance of the said Contract, then this obligation shall be void; otherwise to remain in full force and effect.

Signed and sealed this 17TH day of MAY, 2022

Heather Campbell
Witness

HEATHER CAMPBELL
CUSTOMER CARE REPRESENTATIVE II

Cargill, Incorporated - Salt, Road Safety (Seal)

Principal

Malinda Urian

Title

MALINDA URIAN
CUSTOMER CARE REPRESENTATIVE I

Liberty Mutual Insurance Company

Ann Kloempken
Witness

Ann Kloempken

By S.R. Donovan

S.R. Donovan

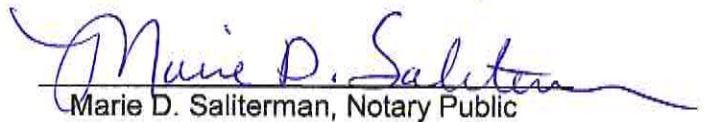
Attorney-in-Fact



Acknowledgment

STATE OF MINNESOTA }
 } ss.
COUNTY OF HENNEPIN }

On this 17TH day of MAY, 2022, before me a Notary Public within and for said County, personally appeared S. R. DONOVAN to me personally known, who being by me duly sworn did say that she is the Attorney-in-Fact of LIBERTY MUTAL INSURANCE COMPANY, the corporation named in the foregoing instrument, and that the seal affixed to said instrument is the Corporate Seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its Board of Directors and said S. R. DONOVAN acknowledged said instrument to be the free act and deed of said corporation.


Marie D. Saliterman, Notary Public

My Commission Expires: 1/31/2025



THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7403556

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Brian Turnwall; S.R. Donovan

all of the city of Wayzata, state of MN each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 27th day of June, 2016.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 27th day of June, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 17TH day of MAY, 2016.



By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

To confirm the validity of this Power of Attorney call
1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Not valid for mortgage, note, loan, letter of credit,
currency rate, interest rate or residual value guarantees.

POWER OF ATTORNEY
Cargill, Incorporated – Salt, Road Safety

KNOW ALL MEN BY THESE PRESENTS, That Cargill, Incorporated, a Corporation duly organized and existing under the laws of the State of Delaware (the "Corporation"), and having its Home Office in the City of Minneapolis, Minnesota, has made, constituted and appointed, and does by these presents, constitute and appoint:

Jim Anderson
Jill Baker
Shelly Brown
Heather Campbell
Deseree Caver
Patrick Connaughton
Sara Cope
Jean Davis
Katelyn Duché
Ryan English
Robert Florio
Chris Gampfer
Nadine Gilbert
Brittney Ingold

Kaitlyn L. Jackson
Cindy Jasso
Tom Juhasz
Aaron Keeney
Mary Kleiner
Keith Klug
Amanda Knaus
Denise A. Koch
Eric Koester
Brittany Kwasny
Sarah Liederbach
Alison Marincek
Raven Mitchell
Chris Morr

Angele Peterson
John Petryszyn
Kristen Rekstad
Dana Richardson
Sean M. Riley
Katelyn Rumpf
Christine M. Rupert
Anna Sarley
Malinda Urian
Beth Vanderbrink
George Varga
Briana Winter
Judi Winter
Chet Womack

each its true and lawful Attorneys-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, seal, acknowledge and deliver bids, bid bonds, contracts, performance bonds, and such other documents as may be necessary or required in connection with the bid, sale or delivery of mineral rock salt, solar salt, salt chemical mixtures, evaporated salt, and/or road deicing salt, to any state, county, city, municipality, or corporate body with which the Corporation may do business and to bind the Corporation thereby as fully and to the same extent as if such documents were signed by an officer of the Salt group, sealed with the Corporate Seal of the Corporation and duly attested by its Assistant Corporate Secretary, hereby ratifying and confirming all the said Attorney(s)-in-Fact may do in the premises.

IN WITNESS WHEREOF, Cargill, Incorporated has caused these presents to be signed by its Vice President, Cargill Salt, and its Assistant Corporate Secretary, and its Corporate Seal to be hereunto affixed this 20th day of December, 2021.

Cargill, Incorporated

DocuSigned by:

By: Christine Rupert, Vice President, Cargill Salt
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DocuSigned by:

Attest: Jay A. Kroese, Assistant Corporate Secretary
88D8DF695404DC...

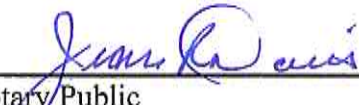
STATE OF OHIO

) ss

COUNTY OF CUYAHOGA

On, May, 17th, 2022, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Malinda Urian known to me to Attorney-in-Fact of CARGILL, INCORPORATED, the Corporation described in and that executed the within and fore-going instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation; and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in the certificate above.



Notary Public

JEAN R DAVIS
NOTARY PUBLIC STATE OF OHIO
MY COMMISSION EXPIRES 9/25/22