

**PUR-1477
Bulk Road Salt**

	Cargill, Inc. Salt, Road Safety North Olmsted, OH	Morton Salt, Inc. Chicago, IL	Mid-Atlantic Salt, LLC Gladwyne, PA	Government MLO Supplies USA, Inc. Bethesda, MD
Bulk Road Salt (per ton - delivered)	\$58.94	\$59.48	\$63.30	\$70.00

	Eastern Salt Co., Inc. Lowell, MA	Compass Minerals Overland Park, KS
Bulk Road Salt (per ton - delivered)	No Bid	No Bid

Remarks / Exceptions:

Cargill, Inc.

Product will meet ASTM-D-632 standard specification. Please see technical data sheet for specific information of Product.

Mid-Atlantic Salt, LLC

SEE ATTACHMENT



COMMERCIAL NAME

DEICING SALT ASTM-632

1.- Chemical Specification

<u>Determination</u>	<u>Unit</u>	<u>Specification</u>	
Sodium Chloride (as NaCl)	(%)	97.00	Min
Moisture	(%)	0.40	Max
YPS	(ppm)	70-100	

2.- Mesh Size

<u>USA Sieve (#)</u>	<u>Unit</u>	<u>Specification</u>
1/2"	(%)	100 Passing
3/8"	(%)	95 - 100 Passing
4	(%)	20 - 90 Passing
8	(%)	10 - 60 Passing
30	(%)	0 - 15 Passing

Revision 0



Cerro El Plomo N° 5680 of. 404, Torre 6
Las Condes, Santiago, Chile

MATERIAL SAFETY DATA SHEET (MSDS) SALT – SODIUM CHLORIDE

SECTION I: GENERAL

Trade Name: **SALT**
Chemical Name: **SODIUM CHLORIDE**
Molecular Weight: **58.4428**
Address: **Cerro El Plomo 5680 of 404
Las Condes
Santiago
Chile**

C.A.S. Number: **7647-14-5**
Formula: **NaCl**
Contact: **Bernardita Labbe**
Phone: **56 (2) 24294470**
Date Issued: **23/07/2019**
Date Revised: **Same**

SECTION II: FIRST AID

Emergency Phone Number: **56 (2) 24294470**
Skin: **Wash with water**
Eyes: **Irrigate with plenty of water**

SECTION III: HAZARDS INFORMATION – HEALTH

Inhalation: **Inhalation of product may cause mild irritation of nose and throat**
Ingestion: **Ingestion of large amounts (greater than 0.1 lb) may cause gastrointestinal upset.**
Skin: **Dust may cause irritation.**
Eyes: **Dust may cause irritation.**
Permissible Concentration: Air: **None established** Biological: **No TLV established**
Unusual Chronic Toxicity: **None**

SECTION IV: HAZARDS INFORMATION

Flash Point °C : **Not flammable** Auto ignition Temp °C : **N/A**
 Open Cup Closed Cup
Flammable Limits In Air (% by volume) – **N/A**

SECTION V: PRECAUTIONS/PROCEDURES

Fire Extinguishing Agents Recommended: **N/A** Fire Extinguishing Agents to Avoid: **N/A**
Special Fire Fighting Precautions: **N/A**
Ventilation: **Local exhaust if dusty conditions prevail.**
Normal Handling: **Avoid eye contact or prolonged skin contact.**
Storage: **Wet or damp conditions can cause caking or corrosion of metal contact surfaces.**
Spill or Leak: **Shovel up dry material into an empty container. Flush residue with water down local sewer.**
Special: Precautions/Procedures/Label Instructions: **Store in cool, dry area. No special cautions or labeling are required.**

SECTION VI: PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: **When required, use a respirator approved by NIOSH for product dust.**
Eyes and Face: **In extremely dusty areas, chemical safety goggles should be used.**
Hands, Arms, and Body: **Wear long - sleeved shirts and trousers for routine product handling. Gloves are optional.**
Other Clothing and Equipment: **N/A**

SECTION VII: PHYSICAL DATA

Material is (At Normal Conditions) Liquid Solid Gas _____
Appearance and Odor: **White crystalline solid. Slight saline odor.**
Boiling Point: **1465°C** Specific Gravity (H₂O = 1): **2.16** Vapor Density (Air – 1): **N/A**
Melting Point: **800°C** Vapor Pressure (mm Hg at 20°C): **2.4 mm at 746.9°C**
Solubility In Water (% By Weight): **26.395 Max at 60°F** ph (20% Solution): **6.5 – 9.5**

SECTION VIII: REACTIVITY DATA

Stability: Stable Unstable
Conditions to Avoid: **Wet/damp conditions can cause caking and corrosion.**
Incompatibility (Materials to Avoid): **None provided the product is dry.**
Hazardous Decomposition Products: **None**
Hazardous Polymerization: May Occur Will Not Occur
Conditions To Avoid:

SECTION IX: HAZARDOUS INGREDIENTS (Mixtures Only)

Material or Component/ C.A.S. No.: **Sodium Chloride, CAS 7645-14-5**

Weight %:

Hazard Data (See Section J):

SECTION X: ENVIRONMENTAL

Degradability / Aquatic Toxicity: **Product is inorganic and may persist in the environment.**
EPA Hazardous Substance?

Yes No If so, reportable quantity _____ 40 CFR 116 – 117

Waste Disposal Methods (Disposer Must Comply With Federal, State and Local Disposal or Discharge Laws): **Flush to sewer if permitted by applicable disposal regulations.**
RCRA Status of Unused Material: **Not a “hazardous waste.”**
40 CFR 261

SECTION XI: REFERENCES

Permissible Concentration References:

Regulatory Standards: **FDA regulations apply to food use and USP/NF grades (21 CFR).**
USDA regulations apply to use in meat and poultry products.

D.O.T. Classification: N/A - 49 CFR

General: **(a) Recommendations of the Salt Institute**

SECTION XII: ADDITIONAL INFORMATION

This product is not for food or drug use unless material is labeled “food grade”, “USP grade”, or “NF grade”, as applicable.

This product safety data sheet is offered solely for your information, consideration and investigation. Compañía Minera Cordillera SCM provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.



Mid-Atlantic Salt, LLC

PO Box 135

Gladwyne, PA 19035

Phone: 724-287-0770 • Fax: 724-287-0540 • www.mid-atlanticsalt.com

September 3, 2020

To: The Washington County Purchasing Department

Re: PUR-1477

Dear Ms. Naugle:

Thank you for the opportunity to submit a bid. Please find our remarks/exceptions below in the form of a proposed delivery section replacement.

Delivery:

- a. The successful Bidder shall deliver the Bulk Road Salt F.O.B. Destination to the locations listed herein. Deliveries shall begin within seventy-two to one hundred twenty (72-120) hours (3-5 business days) of request by the Highway department's personnel. The trucking firm shall notify delivery contact (via-telephone) of each upcoming delivery within twenty-four (24) hours of delivery. All questions and concerns should be directed to the Mid-Atlantic Salt sales office. All deliveries shall be inspected and accepted by authorized County personnel. A telephone number and contact for emergency and after-hour deliveries must be available twenty-four (24) hours a day Monday through Sunday. Normal hours of operation for the delivery locations are 7:00 a.m. to 3:00 p.m., (EDT/EST), Monday through Friday. All efforts will be made to arrange delivery during normal work hours; however, there will be no additional charge for emergency deliveries made after-hours. Deliveries will be made to seven (7) locations within Washington County, MD. The price per ton will include delivery regardless of the location listed herein.
- b. An order placed prior to 10:00 AM on any business day (Monday through Friday, except Holidays) would be considered as the first calendar day of the three to five (3-5) day delivery period. The jurisdiction shall reserve the right to take action to remedy the failure of Contractor performance only after verbal AND written notification of request to remedy the delay, an opportunity to remedy the delay, AND verbal AND written notification of the failure of any efforts to remedy the delay. This may include termination of the order and purchase of salt from other sources, or to take action consistent with public safety as needed to continue business. No additional costs or liquidated damage may be collected from the Contractor if delay or failure is outside of its control, such as delays incurred by severe weather.
- c. It is understood and agreed that in the event of failure on the part of the bidder to indicate date of delivery and/or completion, delivery will be made within three to five (3-5) days from the date of notification. Orders over 500 tons will begin delivery within three to five (3-5) days from date of notification and continue at a rate mutually agreed upon between buyer and Mid-Atlantic Salt.

Sincerely,

A handwritten signature in black ink that reads "Suzanne J. Stein".

Suzanne J. Stein
Vice President
Mid-Atlantic Salt, LLC