

**“City of Havelock
Bulk Salt Bid for Water Treatment”**

**Addendum 1
May 18, 2021**

Questions Received

- 1. Could you advise what the shipping address is for delivery for the product on this bid please?**

527 Webb Blvd. Havelock NC 28532.

- 2. When would the contract period begin?**

July 2021.

- 3. We would like the specification of the salt required in your current bid request so as to match the correct Cargill product to your requirement.**

See specification sheet at end of addendum.

- 4. What is the estimated beginning date of the bid contract?**

July 2021.

- 5. Does the item need to be NSF certified?**

Methods of analysis are taken from ASTM E 534-98, AWWA B200-03. Must meet AWWA Standard B200 for Sodium Chloride and is certified to NSF/ANSI Standard 60.

- 6. What is the delivery address?**

527 Webb Blvd. Havelock NC 28532.

- 7. If you are currently using a Cargill Salt product could you supply us with the product code and/ or description. If it is not a Cargill Salt product do you have product specifications?**

See specification sheet at end of addendum.



Technical Data Sheet

WILMINGTON NC US BULK TERMINAL
CARGILL INCORPORATED
3300 RIVER RD
WILMINGTON NC 28412-6242
USA

CITY OF HAVELOCK
2500013412
CHMS215010

SO UNDRIED BULK

MATERIAL NUMBER: 100011451
MATERIAL UPC CODE:
STATUS: Current
MATERIAL DESCRIPTION: SO UNDRIED BULK

VALIDITY DATE (MM/DD/YYYY): 08/05/2017
DATE REVISED (MM/DD/YYYY): 08/28/2013

ANALYTICAL SPECIFICATIONS

| CHEMICAL | MIN | TARGET | MAX | UOM | METHOD |
|----------------------|------|--------|------|-----|---|
| Water Insolubles (%) | 0 | 0.02 | 0.15 | % | Water Insolubles |
| Surface Moisture (%) | 0 | 0.95 | 3 | % | Surface and Interstitial Moisture |
| NaCl (%) | 99.5 | 99.70 | 100 | % | Purity of Sodium Chloride by Difference |
| Sulfate as SO4 (%) | | 0.08 | | % | Sulfate by Barium Chloride Precip. |
| Ca & Mg as Ca (%) | | 0.07 | | % | Calcium & Magnesium by EDTA Titration |

| PHYSICAL | MIN | TARGET | MAX | UOM | METHOD |
|--------------------------------|-----|--------|-------|-----|--|
| Bulk Density (#/cu ft) | 62 | 66 | 70 | PCF | Bulk Density Determination of Salt - 1 |
| Sieve - USS 3/8 Mesh retained | | 38 | | % | Particle Size Distribution (Screens) |
| Sieve - USS 4 Mesh retained | | 18 | | % | Particle Size Distribution (Screens) |
| Bulk Density (gms/Liter) | 995 | 1,055 | 1,120 | g/l | |
| Sieve - USS 5/8" mesh retained | | 37 | | % | Particle Size Distribution (Screens) |
| Sieve - USS 10 Mesh retained | | 4 | | % | Particle Size Distribution (Screens) |
| Sieve - Retained on Pan | 0 | 2 | 10 | % | Particle Size Distribution (Screens) |

MATERIAL STATEMENTS:

APPLICATIONS:# This material is intended for a variety of industrial uses. It has also found application in hide curing, water treatment and snow and ice removal.#

Note: Sieve analysis is reported as percent retained. **Note:** Bulk Density is reported as loose (uncompacted).

DESCRIPTION:# This material is a coarse screened, sodium chloride salt crystallized by solar evaporation. The crystallized salt is washed to remove surface impurities, drained of excess moisture, dried, and screened to size #

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SO UNDRIED BULK

MATERIAL NUMBER: 100011451
MATERIAL UPC CODE:
STATUS: Current
MATERIAL DESCRIPTION: SO UNDRIED BULK

VALIDITY DATE (MM/DD/YYYY): 06/05/2017
DATE REVISED (MM/DD/YYYY): 08/26/2013

STATEMENTS (continued...)

INGREDIENT STATEMENTS:

ADDITIVES: This material contains no anticaking or free-flowing additives or conditioners.

HANDLING STATEMENTS:

PACKAGING AND SHIPPING: # This material is available only in bulk form. Bulk quantities are shipped by rail or truck. ## **STORAGE AND HANDLING PRECAUTIONS:** # This material requires normal precautionary measures for the safe handling of liquids, i.e., goggles and flushing of skin contact areas with fresh water. Prolonged storage or subjecting this product to temperatures below 0°F (-17.8°C) can result in the formation of magnesium sulfate crystals. ##

REGULATORY STATEMENTS:

METHODS OF ANALYSIS: Methods of analysis are taken from ASTM E 534-98, AWWA B200-03 and Cargill.

COMPLIANCE: This material is not recommended for direct addition to food products. It meets the AWWA Standard B200 for Sodium Chloride and is certified to NSF/ANSI Standard 60.

WARRANTY STATEMENTS:

PRODUCING LOCATION: # VARIOUS LOCATIONS ACROSS THE U.S. ## **CARGILL SALT** # P.O. Box 5621 # Minneapolis, MN 55440 # 1-888 385-7258 #

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.

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