MINNESOTA STATE ADDENDUM TEMPLATE

MINNESOTA STATE COLLEGES AND UNIVERSITIES
NORMANDLE COMMUNITY COLLEGE
REQUEST FOR PROPOSAL ADDENDUM
FOR
SNOW REMOVAL

ADDENDUM NO. 2

The Proposal due date of August 9, 2023 will not change as a result of this Addendum.

QUESTIONS and ANSWERS:

1. Does the liquid salt have to be ClearLane? No Magnesium Chloride brine is preferred.

2. Can we have the SDS for ClearLane? Attached.

3. Can we use a ClearLane equal alternative? You may submit an alternative, but ClearLane uses a proprietary mixture that will be difficult to evaluate. The college prefers ClearLane.
4. **Smart Salting need to be level 1 or level 2.** LEVEL 1 is for individuals so this is what we would require. Your organization should be have the level 2 but it will not be assessed in this RFP.

5. Is there a pricing page? **No**

6. Equipment list? As the bidding contractor we would expect that you provide us with a list of equipment you plan on using on our campus and the associated hourly rate of each piece of equipment, however we don’t dictate which piece of equipment you need to use. Some contractors may use Freightliner M2 106, others might use CAT 910, New Holland tractor. We don’t care, but we want to know what you plan on using, how big the plow blade or pusher is and what the hourly rate is. Then in your scenario section you would tell us how long you estimate it would take to plow given the equipment you plan on using.

7. Snow maps? **Are attached.**

8. It appears the service spec is 2”. Am I reading correctly that we would not plow until there has been a 2” snow event? Not necessarily, however that is the automatic indicator. An event less than 2” depending on the weather might have a multitude of different responses by the contract. We would expect they work with us to discuss the correct approach.

9. Parking Lot Salting- Is this something that you perform internally or something that you would want the contractor to complete? **No,** we do not self perform any salting. We expect the successful bidder to do this. Please note the specification that we require clear line, we do not allow rock salt or sand.

10. Sidewalks- Are the walks serviced in house or is the walk clearing part of the scope? **No** sidewalks are included, many of our walkways are heated, and those that are not are self performed.

11. Is the current RFP a prevailing wage project? If so, are those rates available for review? **No,** see DOLI FAQ. [https://www.minnstate.edu/system/finance/facilities/design-construction/pm_emanual/doc/CO.21%20Prevailing%20Wage%20FAQ%202020-0021.pdf](https://www.minnstate.edu/system/finance/facilities/design-construction/pm_emanual/doc/CO.21%20Prevailing%20Wage%20FAQ%202020-0021.pdf)
Is the college/university (C/U) required to pay prevailing wages for snow removal?

No. If a C/U has hired a service for snow removal, prevailing wages do not apply. Prevailing wages apply to construction projects.

12. Snow piling locations- Can you provide an aerial map of acceptable areas to pile snow or will this be covered in the meeting? Both see attached map and we will review in person. If piles get too large we self perform blowing higher piles, If they are still too large we may contract to have them moved on campus.

13. Equipment Storage- Are there designated locations for the supplier to store equipment on site? If so, can the location please be provided? (maybe covered in the meeting) Some space is provided in lot 6 with limited power connection for block heaters. We also can store limit amounts of Clear Lane. Contractor is responsible for covering and any other applicable storm water requirements.

14. Is this an hourly, per time or seasonal bid? All of the above really. The contractor will bill us according to their determined hourly rate for the season for each piece of equipment they plan on running, each time they are deployed for the length of time it took to complete the job. We will spot review contractors submittal cross referencing with CCTV footage to ensure time of service matches actual times. Most contractors have bill us monthly.

15. Does the staff like to have lots salted and walks done on a half inch or less? Again, this really depends on the weather scenario and days of the week. Note, the contractor does not do any walks. As for parking lots we like to see asphalt. We deal with college students who at time aren’t the most studious paying attention parking lot lines. When we have snow on the ground that covers the lines, we often have chaos in the way they park, so our preference is to always have lines showing, however the successful bidder will work with the owner to determine the best approach.

The above ADDENDUM shall be attached to and become part of the bid. Receipt of this Addendum shall be acknowledged by including it with the bid. Failure to do so may subject BIDDER to disqualification.

Date This Solicitation Was Posted: July 10, 2023 at 10:00 am Central Time
END OF ADDENDUM NO. 2
SNOW PLOW PRIORITY

1. Roads into the campus and front of Parking lot 1 & 2
2. Parking Lot 7
3. Parking Lot 3
4. Backs of Parking Lot 1 & 2
5. Parking Lot 4
6. Parking Lots 5 & 6
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>91.0-96.0</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>2.3-3.6</td>
</tr>
<tr>
<td>Magnesium chloride</td>
<td>7786-30-3</td>
<td>1.0-1.3</td>
</tr>
<tr>
<td>Sodium Gluconate</td>
<td>527-07-1</td>
<td>&lt;0.02</td>
</tr>
<tr>
<td>Xanthan gum</td>
<td>11138-66-2</td>
<td>&lt;0.02</td>
</tr>
<tr>
<td>FD&amp;C Blue No. 1</td>
<td>3844-45-9</td>
<td>0.05 – 0.20</td>
</tr>
<tr>
<td>FD&amp;C Red 40</td>
<td>25956-17-6</td>
<td>0.05 – 0.20</td>
</tr>
<tr>
<td>Tartrazine</td>
<td>1934-21-0</td>
<td>0.05 – 0.20</td>
</tr>
</tbody>
</table>
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 (H2O = 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/ft³

Molecular formula
NaCl, MgCl2

Molecular weight
NaCl = 58.44, MgCl2 = 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

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium chloride (CAS 7786-30-3)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat 2800 mg/kg</td>
</tr>
<tr>
<td>Sodium Chloride (CAS 7647-14-5)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat 3000 mg/kg</td>
</tr>
</tbody>
</table>

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.
  - 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

Classified hazard categories
Yes

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

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

*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
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