

**CRAWFORD COUNTY ROAD COMMISSION
500 HURON STREET
GRAYLING, MI 49738**

**Dust Control
Bid Sheet**

Delivery and application of approximately 60,000 gallons/30 miles of mineral well brine. Minimum content of 21% calcium magnesium chloride. Application rate shall be 2,000 gallons per mile. Minimum of three (3) Applications. Application shall be coordinated with Crawford County Road Commission maintenance personnel. Application dates: 1st application prior to Memorial Day weekend, 2nd application, prior to 4th of July weekend and final application, prior to Labor Day weekend.

Certify calcium magnesium chloride	_____ 26 %
Bid Price per gallon	\$ 0.249 _____ /gal.
Alternative material _____ N/A	\$ _____ NO BID /gal.
_____ N/A	_____ N/A % Chloride

<u>MICHIGAN CHLORIDE SALES, LLC</u>	<u>FEB. 20, 2023</u>
Company Name	Date

<u>402 W JACKSON ROAD</u>	<u>(989) 681-3221</u>
Address	Telephone

<u>ST. LOUIS, MI 48880</u>	<u>(989) 681-3574</u>
City, State, Zip	Fax

<u>KAREN HISTED, PRESIDENT</u>
Company Contact Person


Authorized Company Representative's Signature

**TERMS: NET 30
**PRICES BASED ON 9,500 GALLON LOAD SIZES
**IN LIGHT OF NATIONWIDE UNPRECEDENTED LEVELS OF INFLATION AND SUSTAINED RECORD-BREAKING HIGH FUEL COSTS, THE PRICES QUOTED ARE GOOD FOR 30 DAYS AND MAY BE AMENDED AS NECESSARY.



Mineral Well Brine Analysis

Michigan Chloride Sales

Sample ID: A09031-004 (Well #4)
Collect Date: 06/08/22

Parameter

Calcium	as calcium chloride	24.5 % (w/v)	19.4 % (w/w)
Magnesium	as magnesium chloride	4.3 % (w/v)	3.4 % (w/w)
Potassium	as potassium chloride	1.2 % (w/v)	1.0 % (w/w)
Sodium	as sodium chloride	7.0 % (w/v)	5.5 % (w/w)

total chlorides	37.05 % (w/v)	29.36 % (w/w)
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pH	4.97
Specific Gravity	1.262
Weight per Gallon	10.475 lbs. per gal.

8660 S. Mackinaw Trail
1914 Holloway Drive

Cadillac, MI 49601
Holt, MI 48842

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Certify calcium magnesium chloride 38 %
Bid Price per gallon \$.75 /gal.
Alternative material 35% LIQUID \$.694 /gal.
CALCIUM CHLORIDE 35 % Chloride

LIQUID CALCIUM CHLORIDE SALES 2/7/2023
Company Name Date
2715 S. HURON ROAD 989-684-5860
Address Telephone
KAWKAWLIN, MICHIGAN 48631 989-684-9953
City, State, Zip Fax
RODNEY GERARD, OPERATIONS MGR.
Company Contact Person
Rodney Gerard
Authorized Company Representative's Signature

PRICES BASED ON 9,000 GALLON SHIPMENTS
OX9 CHEMICAL COMPANY MATERIAL.