



**DeWight Dopslauf, C.P.M., CPPO**  
**Harris County Purchasing Agent**

January 12, 2021

Commissioners Court  
Harris County, Texas

**RE: Job No. 200314**

Members of Commissioners Court:

	YES	NO	ABSTAIN
Judge Lina Hidalgo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Rodney Ellis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Adrian Garcia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Tom S. Ramsey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. R. Jack Cagle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please approve the following award on the basis of lowest complete bid by category:

**Description:** De-Icing/Anti-Icing Material and Related Items for the Harris County Toll Road Authority

**Bids Received:** Two (2) on November 9, 2020 (see attached)

<b>Vendors:</b>	GMCO Corporation dba GMCO Commodities Corp.	A.1, B.1 and B.2	\$1,075,060
	Scotwood Industries, Inc.	A.2, B.1 and B.2	<u>431,850</u>
			\$1,506,910

**Term:** January 26, 2021 through December 31, 2021 with four (4) one-year renewal options

**Amount:** \$1,506,910

**Evaluated by:**   X   Toll Road Authority   X   Harris County Purchasing

Purchase orders will be issued upon Commissioners Court approval.

Sincerely,

DeWight Dopslauf  
Purchasing Agent

Presented to Commissioners Court

January 26, 2021

Approve: E/G

SRA

Attachment

cc: Toll Road Authority  
Vendors

**FOR INCLUSION ON COMMISSIONERS COURT AGENDA JANUARY 26, 2021**

Item No.	Description	Estimated Quantity	Unit of Measure	Seetwood Industries, Inc. <sup>1,3</sup>			GMCO Corporation dba GMCO Commodities Corp. <sup>2</sup>		
				Manufacturer	Unit Price	Total Price	Manufacturer	Unit Price	Total Price
A. 1	Material Complex magnesium chloride	3,500,000	LBS	No Bid			GMCO Corporation	\$0.19	\$661,500.00
2	Liquid magnesium chloride	150,000	GAL	Compass Minerals Freezard Zero C3 Plus	\$1.255	\$188,250.00	No Bid		
B. 1	Delivery/Freight Within three (3) to five (5) days (emergency events)	28	EA		\$4,350.00	\$121,800.00		\$8,205.00	\$229,740.00
2	Within three (3) to five (5) weeks	28	EA		\$4,350.00	\$121,800.00		\$6,565.00	\$183,820.00
	<b>Grand Total</b>					<b>\$431,850.00</b>			<b>\$1,075,060.00</b>

<sup>1</sup> Award Recommendation Lowest Complete by Category (Items A.2, B.1 and B.2)

<sup>2</sup> Award Recommendation Lowest Complete by Category (Items A.1, B.1 and B.2)

<sup>3</sup> Corrected Total



# HARRIS COUNTY BID COVER SHEET

Job No.  
**20/0314**

**BID FOR: De-Icing/Anti-Icing Material and Related Items for the Harris County Toll Road Authority (For one (1) year beginning approximately January 1, 2021)**

Ref. to Pur. Agt.

**DUE DATE:** Monday, November 9, 2020

Due no later than 2:00 P.M. local time in Houston, Texas. Bids received later than the date and time above will not be considered.

**OFFERORS NOTE:** Carefully read all instructions, requirements and specifications. Fill out all forms properly and completely. Submit your bid with all appropriate supplements and/or samples in an appropriately sized envelope or box. **PACKAGE MUST SHOW THE JOB NUMBER, DESCRIPTION AND BE MARKED "SEALED BID"**.

**RETURN BID TO:** HARRIS COUNTY PURCHASING AGENT  
1001 PRESTON, SUITE 670  
HOUSTON, TEXAS 77002

**Buyer:** SueEllen Arredondo at 713-274-4427 or email: [sue.arredondo@pur.hctx.net](mailto:sue.arredondo@pur.hctx.net)

Presented to Commissioners Court

Total Amount of Bid: \$ 1,075,060.00

NOV 10 2020

Company Name: GMCO Corporation dba GMCO Commodities Corp.

APPROVE ELG  
Recorded Vol.      Page     

Company Address: P.O. Box 1480 - 0228 Powerline Road

City, State, Zip Code: Rifle, CO 81650

Taxpayer Identification Number (T.I.N.): 45-4028929

Telephone: 970-625-9100 Fax: 970-625-9101 e-mail: bjuelfs@gmccorp.com

Do you carry Health Insurance on your employees? X Yes      No If yes, what % of employees: 100 %

Signature: Bruce Juelfs Print Name Bruce Juelfs

[Your signature attests to your offer to provide the goods and/or services in this bid according to the published provisions of this Job and certifies that all statements made by you are true, complete and correct. **All prices and signatures must be typewritten or written in ink.** When an award letter is issued, it becomes a part of this contract. Contract is not valid until Purchase Order is issued.]

Accepted by: [Signature]  
HARRIS COUNTY JUDGE LINA HIDALGO

Date: 9 February 2021

Vote of the Court:

	Yes	No	Abstain
Judge Hidalgo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Ellis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. A. Garcia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Radack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comm. Cagle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SEA/rjb  
Revised 08/19

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Original



**DeWight Dopslauf, C.P.M., CPPO**  
**Harris County Purchasing Agent**

November 2, 2020

**TO:** ALL VENDORS

**RE:** Job No. 20/0314 (Questions & Answers #1)

**DUE DATE:** November 9, 2020 no later than 2:00 p.m. local time, Houston, TX

The following is to clarify requirements and answer vendor questions regarding the bid for De-Icing/Anti-Icing Material and Related Items for the Harris County Toll Road Authority:

1. Question: Do you anticipate extending the bid due date?

**Answer: No.**

2. Question: What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?

**Answer: Please refer to pages 3, 12 and 15 of the bid packet.**

3. Question: Was this bid posted to the nationwide free bid notification website at [www.mygovwatch.com/free](http://www.mygovwatch.com/free)?

**Answer: No.**

4. Question: Other than your own website, where was this bid posted?

**Answer: Houston Chronicle.**

Sincerely,

DeWight Dopslauf  
Purchasing Agent

SEA/rjb

## PRICING/DELIVERY INFORMATION

### PRICING

Vendor must complete open spaces provided below. Quantities are estimated; Harris County may require more or less. In case of discrepancy between unit pricing and total pricing, **unit pricing governs**. Harris County may award by total, by group, by item, or as best serves the county. **Pricing must be all inclusive. Harris County will not allow for any other rates or charges. Please refer to pages 13 and 14 of 21 of this bid for detail required for each bid item below.**

<u>Item No.</u>	<u>Description</u>	<u>Est. Qty.</u>	<u>Unit of Measure</u>	<u>Unit Price</u>	<u>Total Price</u>
<b>A. Material</b>					
1.	Complex magnesium chloride Manufacturer: <u>GMCO Corporation</u>	3,500,000	LBS	<u>\$ 0.189</u>	<u>\$ 661,500.00</u>
2.	Liquid magnesium chloride Manufacturer: <u>N/A</u>	150,000	GAL	<u>\$ no bid</u>	<u>\$ no bid</u>
<b>B. Delivery/Freight</b>					
1.	Within three (3) to five (5) days (emergency events)	28	EA	<u>\$ 8,205.00</u>	<u>\$ 229,740.00</u>
2.	Within three (3) to five (5) weeks	28	EA	<u>\$ 6,565.00</u>	<u>\$ 183,820.00</u>
<b>GRAND TOTAL</b>					<u>\$ 1,075,060.00</u>

### RENEWAL OPTIONS

Harris County may consider four (4) one-year renewal options, renewable one (1) year at a time, based upon the same terms, conditions and pricing as the original year. Renewal is subject to approval by the Harris County Commissioners Court. Once renewal options are exhausted, the contract must be rebid. Harris County reserves the right to rebid at any time as is in its best interest and is not automatically bound to renew.

**TAX FORM/DEBT/ RESIDENCE CERTIFICATION**  
**(for Advertised Projects)**

Taxpayer Identification Number (T.I.N.): 45-4028929

Company Name submitting Bid/Proposal: GMCO Corporation dba GMCO Commodities Corp.

Mailing Address: P.O. Box 1480 Rifle, CO 81650

Are you registered to do business in the State of Texas? ☒ Yes ☐ No

If you are an individual, list the names and addresses of any partnership of which you are a general partner or any assumed name(s) under which you operate your business

1. **Property:** List all taxable property in Harris County owned by you or above partnerships as well as any d/b/a names. (Use a second sheet of paper if necessary.)

Harris County Tax Acct. No.\*

Property address or location\*\*

\* This is the property account identification number assigned by the Harris County Appraisal District.

**\*\* For real property, specify the property address or legal description. For business personal property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored at a warehouse or other location.**

II. Harris County Debt - Do you owe any debts to Harris County (taxes on properties listed in I above, tickets, fines, tolls, court judgments, etc.)?

☐ Yes ☒ No

If yes, attach a separate page explaining the debt.

III. **Residence Certification** - Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Harris County requests Residence Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

(3) "Nonresident bidder" refers to a person who is not a resident.

(4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

☐ I certify that \_\_\_\_\_ is a Resident Bidder of Texas as defined in Government Code  
[Company Name]  
§2252.001.

☒ I certify that GMCO Corporation dba GMCO is a Nonresident Bidder as defined in Government Code  
[Company Name]  
§2252.001 and our principal place of business is Rifle, Colorado.  
[City and State]

**REFERENCES**

Vendor shall provide a minimum of three (3) references or letters of reference personal or from companies from whom similar services have been provided within the past twelve (12) months. If submitting letters in lieu of, attachment h., References, the letters must include the following information:

- Business Name, contact person, phone number and email address
- List of services/products provided
- Although Harris County would prefer references located in Harris County, it is not required
- Ability to fill service requests

References provided must be current and verifiable. Harris County may conduct reference checks to verify and validate vendors past performance. Reference checks indicating poor or failed performance by vendor will be cause for rejection of the response submitted. In addition, failure to provide verifiable references may be cause for rejection of response submitted.

**Reference #1**

Organization Name: Texas Department of Transportation - Wichita Falls District

Contact Name/Telephone No.: 940-720-7743

E-mail Address: Julie.Lowack@txdot.com

Address: 1601 Southwest Parkway Wichita Falls, TX 76302

Services provided: Provide granular deicing products

**Reference #2**

Organization Name: Texas Department of Transportation - Amarillo District

Contact Name/Telephone No.: Shannon Glenn 806-356-3325

E-mail Address: Shannon.Glenn@txdot.com

Address: 5715 Canyon Drive Amarillo, TX 79110

Services provided: Provide liquid and granular deicing products

## REFERENCES (CONTINUED)

### Reference #3

Organization Name: City of Tyler, Texas  
Contact Name/Telephone No.: Rob Smart 903-531-1393  
E-mail Address: rsmart@tylertexas.com  
Address: 3305 Frankston Hwy Tyler, TX 75710

Services provided: Provide granular deicing products

### Reference #4

Organization Name: Colorado Department of Transportation - Region 4  
Contact Name/Telephone No.: Jeff Tatkenhorst 970-381-7177  
E-mail Address: jeff.tatkenhorst@dot.state.co.us  
Address: 2207 E. Highway 402 Loveland, CO 80537

Services provided: Provide liquid and granular deicing products

### Reference #5

Organization Name: Nebraska Department of Transportation  
Contact Name/Telephone No.: Ty Barger 402-540-1332  
E-mail Address: ty.barger@nebraska.gov  
Address: 5001 S 14th Street Lincoln, NE 68509

Services provided: Provide liquid and granular deicing products



**REFERENCES (CONTINUED)**

Reference #6

Organization Name: \_\_\_\_\_

Contact Name/Telephone No.: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Address: \_\_\_\_\_

Services provided: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Revised 12/17

**SUBCONTRACTOR LISTING FORM**

Contractor must provide information below for any potential subcontractors or subconsultants, professionals, suppliers, and vendors used in connection with the project. The County reserves the right to reject proposed subcontractors or subconsultants on any reasonable basis. Harris County must approve the actual subcontractors prior to their use (add additional pages if necessary):

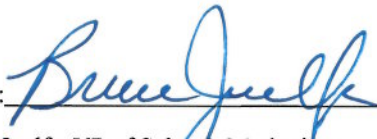
Company Name: _____	Industry: _____
DUNS #: _____	Name of Principal: _____
Approximate Contract Value \$ _____	Start & End of Contract _____
Certified HUB / MWBE: <input type="checkbox"/> Yes <input type="checkbox"/> No	Certified Section 3: <input type="checkbox"/> Yes <input type="checkbox"/> No
Description of Work to be performed: _____ _____ _____	

Company Name: _____	Industry: _____
DUNS #: _____	Name of Principal: _____
Approximate Contract Value \$ _____	Start & End of Contract _____
Certified HUB / MWBE: <input type="checkbox"/> Yes <input type="checkbox"/> No	Certified Section 3: <input type="checkbox"/> Yes <input type="checkbox"/> No
Description of Work to be performed: _____ _____ _____	

Company Name: _____	Industry: _____
DUNS #: _____	Name of Principal: _____
Approximate Contract Value \$ _____	Start & End of Contract _____
Certified HUB / MWBE: <input type="checkbox"/> Yes <input type="checkbox"/> No	Certified Section 3: <input type="checkbox"/> Yes <input type="checkbox"/> No
Description of Work to be performed: _____ _____ _____	

Contractor shall be responsible for ensuring any Subcontractors used are properly licensed, insured, and authorized to work under government contracts by checking state, local, and federal debarment lists and shall obtain and submit licenses for any subcontractors if the work being performed requires licensing in accordance with state or federal law. A final Subcontractor Listing Form will be required prior to contract award. If any of the required information changes throughout the term of the contract, Contractor must submit a revision to the County for approval.

☒ **I will not be subcontracting any portion of the contract and will be fulfilling the entire contract with my own resources.**

Signature of Contractor:  \_\_\_\_\_  
 Print Name: Bruce Juelfs, VP of Sales & Marketing

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

GMCO Corporation - DBA GMCO Commodities Corporation  
Rifle, CO United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Harris County Toll Road Authority

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

20/0314

De-icing Anti-icing Material

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Henderson, Jeremy	Rifle, CO United States	X	

5 Check only if there is NO Interested Party.

☐

### 6 UNSWORN DECLARATION

My name is \_\_\_\_\_, and my date of birth is \_\_\_\_\_.

My address is \_\_\_\_\_,  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in \_\_\_\_\_ County, State of \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
Signature of authorized agent of contracting business entity  
(Declarant)



GMCOCOR-01

TCORNEJO

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/5/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> License # 0757776 HUB International Insurance Services (COL) 2742 Crossroads Blvd Grand Junction, CO 81506		<b>CONTACT NAME:</b> Lynn Bosman <b>PHONE (A/C, No, Ext):</b> (303) 252-3762 <b>FAX (A/C, No):</b> (866) 243-0727 <b>E-MAIL ADDRESS:</b> Lynn.bosman@hubinternational.com	
		<b>INSURER(S) AFFORDING COVERAGE</b>	
		<b>INSURER A:</b> National Union Fire Insurance Company of Louisiana	
		<b>INSURER B:</b> Axis Specialty Insurance Company	
		<b>INSURER C:</b> New Hampshire Insurance Company	
		<b>INSURER D:</b> Old Republic Insurance Company	
		<b>INSURER E:</b> Evanston Insurance Company	
		<b>INSURER F:</b>	

<b>COVERAGES</b>	<b>CERTIFICATE NUMBER:</b>	<b>REVISION NUMBER:</b>
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.		

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X	X	9566285	11/1/2020	6/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	X	X	5717794	11/1/2020	6/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0	X	X	P-001-000377974-01	11/1/2020	6/1/2021	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	016433222	11/1/2020	6/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Excess Liability			EMM000049700	11/1/2020	6/1/2021	2,000,000 /
E	Pollution / Prof.			CPLMOL104537	11/1/2020	6/1/2022	1,000,000 /

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Bid #20/0314, De-Icing/Anti-Icing Material and Related Items for the Harris County Toll Road Authority

Harris County is included as additional insured under General Liability, Automobile Liability, and Excess Liability on a primary and non-contributory basis. A waiver of subrogation in favor of Harris County, its officers, employees and agents is applicable to General Liability, Automobile Liability, Excess Liability, and Workers Compensation.

## CERTIFICATE HOLDER

Harris County  
Purchasing Agent  
1001 Preston, Suite 670  
Houston, TX 77002

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



## **GMCO 20**

GMCO 20 is a chloride based deicer in combination with magnesium, calcium, sodium and potassium chlorides with a corrosion inhibitor. GMCO 20 is a high purity product that is screened and doesn't contain inert products that don't aid in the melting process. The GMCO 20 is a kiln dried product and contains less than 1% total moisture. This low moisture content provides for a free-flowing product from a stockpile, bulk, super sacks and application equipment. The product is naturally colored and helps in the application process and also enhances the energy absorption from the sun.

The GMCO 20 will be delivered to Harris County locations by bulk truck loads.

GMCO's quality control program routinely tests the GMCO 20 to ensure high product quality and consistency.

Please see the attached chemical analysis and SDS for the GMCO 20.

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GMCO Corporation  
P.O. Box 1480, Rifle, CO 81650  
Phone 970-625-9100  
gmcocorp.com

## De-Icer/Anti-Icer

The following products are pre-qualified in accordance with DMS-6400, "De-Icer/Anti-Icer."

The Department reserves the right to conduct random sampling of pre-qualified materials for testing and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. CST/M&P reserves the right to test to verify compliance with DMS-6400.

For more information, contact the Construction Division's Rigid Pavements and Concrete Materials Branch at (512) 506-5872.

### Pre-Qualified Producers of De-Icer/Anti-Icer

Product Name	Producer
GMCO 20	GMCO Corp.
Freezguard Zero CI Plus	Scotwood Industries
Meltdown APEX	Southwest Envirotech Services, Inc.
Meltdown 20	

### Pre-Qualified Producers of Sodium Chloride De-Icer/Anti-Icer

Type	Product Name	Producer
Type I	Clear Lane Enhanced Deicer	Cargill Deicing Technology
Type I	Ice Slicer	Envirotech Roadway and Site Solutions
Type I	Solar Salt	United Salt Corporation
Type II	Ice Slicer	Envirotech Roadway and Site Solutions

### Producer Contact Information

Producer Name	Contact Information
Cargill Deicing Technology	Roger Wilson North Olmsted, OH 44070 (920) 889-3583
Envirotech Roadway and Site Solutions, 99446	Clay Speer Richardson, TX (972) 9987315
GMCO Corp.	Rifle, CO (800)244-2148
Magnum Minerals	Christina Gearn Conroe, TX (936)788-1100
Scotwood Industries 99037	Phill Collins Overland Park, Kansas (800) 844-2022

**Producer Contact Information**

Producer Name	Contact Information
United Salt Corporation	4800 San Felipe Houston, TX 77056 (800) 748-2291



# Analytical Laboratories, Inc.

1804 N. 33rd Street  
Boise, Idaho 83703  
Phone (208) 342-5515

<http://www.analyticallaboratories.com>

Date Report Printed: 8/29/2016

Attn: GREG LEIST  
PARADIGM CHEMICAL LLC  
2611 S YARROW ST  
LAKEWOOD, CO 80227

Collected By:  
Submitted By: FED EX

Source of Sample:  
GMCO 20

Time of Collection:

Date of Collection: 8/15/2016

Date Received: 8/16/2016

Report Date: 8/26/2016

Field Temp: Temp Recd in Lab

PWS:

## Laboratory Analysis Report

Sample Number: 1637001

Values in mg/L are based on a 25% (wt/vol) solution.

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Percent Moisture		1.48	%		ASTM E534	8/18/2016	RME
Arsenic, As	< 1.0		mg/L	1.0	EPA 200.7	8/23/2016	JMS
Barium, Ba	< 0.5		mg/L	0.5	EPA 200.7	8/23/2016	JMS
Cadmium, Cd	< 0.05		mg/L	0.05	EPA 200.7	8/23/2016	JMS
Chromium Low	< 0.10		mg/L	0.10	EPA 6020	8/24/2016	JH
Copper, Cu	0.6		mg/L	0.1	EPA 200.7	8/23/2016	JMS
Corrosion Rate, 3 Day, TSI Coupons	6.9		%		NACE PNS	8/26/2016	JH
Gradation, % WT Passing #30 sieve	1.84		%		ASTM D 632	8/17/2016	JD
Gradation, % WT Passing #4 sieve	99.6		%		ASTM D 632	8/17/2016	JD
Gradation, % WT Passing #8 sieve	62.8		%		ASTM D 632	8/17/2016	JD
Gradation, % WT Passing 3/4 inch sieve	100		%		ASTM D 632	8/17/2016	JD
Lead, Pb	< 0.5		mg/L	0.5	EPA 200.7	8/23/2016	JMS
Mercury, Hg	< 0.02		mg/L	0.02	EPA 245.1	8/23/2016	JD
Metals Digestion	*				EPA 3050	8/18/2016	JD
Molybdenum, Mo	< 1.0		mg/L	1.0	EPA 200.7	8/23/2016	JMS
Selenium Low	< 0.10		mg/L	0.10	EPA 6020	8/24/2016	JH
Sodium Chloride	90.0		% wt	0.1	ASTM 534	8/24/2016	JH
Magnesium Chloride = 8.5 %							
Zinc, Zn	0.2		mg/L	0.1	EPA 200.7	8/23/2016	JMS
Nitrate (as N)	< 10.0		mg/L	10.0	EPA 353.2	8/24/2016	CJS

MCL = Maximum Contamination Level

MDL = Method/Minimum Detection Limit

UR = Unregulated



## Laboratory Analysis Report

Sample Number: 1637001

Values in mg/L are based on a 25% (wt/vol) solution.

Test Requested	MCL	Analysis Result	Units	MDL	Method	Date Completed	Analyst
Ammonia Direct (as N)		3.3	mg/L	2.0	EPA 350.1	8/20/2016	CJS
Nitrite (as N)	<	0.5	mg/L	0.5	EPA 353.2	8/18/2016	CJS
Nitrogen, Total Kjeldahl (TKN)	<	10	mg/L	10	EPA 351.2	8/23/2016	DS
Total Phosphate (as P)		965	mg/L	5	EPA 365.4	8/23/2016	DS
Chemical Oxygen Demand	<	4000	mg/L	4000	EPA 410.4	8/18/2016	CJS
Chloride, Cl		55	% wt	1	EPA 300.0	8/23/2016	NC
Cyanide, Total	<	0.05	mg/L	0.05	EPA 335.4	8/17/2016	DS
pH, Deicer 1 + 4		3.7	S.U.		ASTM D1293	8/17/2016	NC
Sulfate, SO <sub>4</sub>	<	0.4	% wt	0.4	EPA 300.0	8/22/2016	NC
Biochemical Oxygen		<800	mg/L	800	SM 5210 B	8/24/2016	RK
Water Insolubles		0.96	%	0.01	ASTM E 534	8/23/2016	SMC

MCL = Maximum Contamination Level  
MDL = Method/Minimum Detection Limit  
UR = Unregulated



Thank you for choosing Analytical Laboratories for your testing needs.  
If you have any questions concerning this report,  
please contact your client manager: James Hibbs



# Safety Data Sheet

Issue Date: August 29, 2016

Revision Date: August 29, 2016

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** GMCO 20 Inhibited De-Icing Salt

**Other means of identification** Sodium chloride, raw salt, road salt, de-icing salt.

### Recommended use of the chemical and restrictions on use

**Recommended Use** To be used only roadway anti-icer / de-icer.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

P.O. Box 1480  
Rifle, CO 81650

#### **Emergency Telephone Number**

**Company Phone Number** 970-618-7475

## 2. HAZARDS IDENTIFICATION

**Appearance** Light pink to white granular salt.

**Physical State** Solid

**Odor** No odor

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Label elements** None

**Signal word** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	%
Sodium Chloride	7647-14-5	80 - 95
Magnesium Chloride Hex hydrate	7647-10-1	10 - 20
Corrosion Inhibitor	Proprietary	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

#### 4. FIRST-AID MEASURES

##### First Aid Measures

Eye Contact	Flush with water for several minutes, get medical attention if irritation persists. Remove contact lenses and continue to flush.
Skin Contact	Wash exposed area with soap and water, remove and launder contaminated clothing before reuse. Seek medical attention if irritation persists. Discard items which cannot be decontaminated, including leather articles.
Inhalation	Remove to fresh air. If irritation persists, call a physician.
Ingestion	Do not induce vomiting. Administer water if patient is conscious. If copious quantities ingested, call a physician.

##### Most important symptoms and effects

Symptoms	Irritation to eyes, skin and respiratory tract.
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##### Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media** None known.

##### Specific Hazards Arising from the Chemical

Fire Hazard.	Under conditions of fire this material may produce toxic fumes.
Explosion Hazard.	Product is not explosive.
Reactivity.	Stable at ambient temperature and under normal conditions of use.

**Hazardous Combustion Products** Combustion products may exist due to surrounding material burning.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. May use direct water spray to cool containers.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Personal Precautions	Keep persons not involved in cleanup away from spill area until cleanup is completed.
Environmental Precautions	See Section 12 for additional Ecological Information.

##### Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Pump liquid if present, into salvage containers. Absorb remaining liquid with floor absorbent or other absorbent materials. Remove contaminated absorbent to disposal containers. Wear suitable protective clothing, gloves and eye/face protection.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Do NOT take internally. Wash face, hands, and any exposed skin thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store tightly closed in a dry, cool and well ventilated place. Protect from moisture.

**Incompatible Materials** Avoid contact with aluminum or carbon steel to minimize corrosion.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Chloride	None	-	-
Magnesium Chloride	None	-	-

### Appropriate engineering controls

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Use safety glasses with side shields.

**Skin and Body Protection** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron or full body suit will depend on the task.

**Respiratory Protection** For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator such as an organic vapor cartridge.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Odor</b>	No odor
<b>Appearance</b>	Granular - crystalline solid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Light pink to white		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	6 - 8		
Melting Point/Freezing Point	1473.8°F (801° C)		
Boiling Point/Boiling Range	2669° F (1465° C)		
Flash Point	Not flammable		
Evaporation Rate	N/A		
Flammability	Not flammable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		

Specific Gravity	N/A
Water Solubility	26%
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	None
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable at ambient temperature and under normal conditions of use.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to Avoid

Keep out of reach of children. Protect from moisture.

### Incompatible Materials

Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, trifluoride, etc), acids, oxidizing agents, iron and cement.

### Hazardous Decomposition Products

Contact with strong acids may produce hydrogen chloride gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride (7647-14-5)	3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 b/kg <sup>3</sup> (Rat exposure time: 1h)

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Numerical measures of toxicity

Not determined

**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.

**Environmental Fate**

No data available.

**Toxicity**

No data available

**Degradation Products**

No data available

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Sewage Disposal  
Recommendation**

This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****U. S. Federal Regulations****Sodium chloride (7647-14-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**U. S. State regulations**

U. S. - Texas - Effects Screening Levels - Long Term

U. S. - Texas - Effects Screening Levels - Short Term

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Health Hazards**

1

**Flammability**

Not determined

**Flammability**

0

**Instability**

Not determined

**Physical Hazards**

0

**Special Hazards**

Not determined

**Personal Protection**

Not determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**