



*where quality meets life*

# PFLUGERVILLE TEXAS

City of Pflugerville

Bid Number 2021-1  
Bid Title Water and Wastewater Chemicals

Bid Start Date September 30, 2020  
Bid End Date October 15, 2020 @ 2:00 PM

Bid Contact Brandon Pritchett  
Public Utility Director  
512-990-6400  
[Brandonp@pflugervilletx.gov](mailto:Brandonp@pflugervilletx.gov)

Contract Duration 1 year beginning October 1, 2020

Contract Renewal Optional 2 Annual Renewals, upon agreement with the City of Pflugerville. (Any price increase associated with annual renewal must be justified by information related to the CPI index or other vendor cost increases.) Annual renewals are predicated on sufficient budgetary allocation by City Council for the renewal of the awarded contract. Any provision of this to this request for bids to the contrary notwithstanding, City Council shall be under no obligation to make such budgetary allocation.

Contract to begin upon acceptance from the City Council, the City of Pflugerville will issue a purchase order for the chemicals being purchased based on the bid pricing.

Standard Disclaimer The right is reserved to accept or reject all or part of the bid, and to accept the offer considered most advantageous to the city by item or total bid. The City of Pflugerville will award to the lowest responsible bidder who provides goods or services at the best value to the city.

Company Name The Colonna Group

City of Pflugerville  
Bid Number 2021-1  
Water and Wastewater Chemical Bid

Bid Information

1. Bid will be awarded per line item.
2. Supplier to deliver chemicals to, water treatment plant, wastewater treatment plant, 2 water well sites, and 2 lift station sites.  
delivery addresses are on the bid sheets for each chemical.
3. All deliveries will be unloaded and placed in the proper storage area by the supplier.
4. Able to deliver within 48 hours of notification.
5. See bid sheet for estimated annual chemical usage.
6. Specification sheets for each chemical attached.
7. Certificate of insurance must be included with bid documents.(see attached example)
8. Completed W9 to be returned with bid.
9. City of Pflugerville Purchasing rider attached.
10. HB 1295 attached.
11. Reference sheet.
12. Interlocal Cooperative Contracting.

All documents herein and attached are required to be Completed and returned with the response.

All bid documents and specifications may **ONLY** be downloaded @ <http://www.texasbidsystem.com>. It is the bidder's responsibility to check the site for issuance of any addendums.

Company Name The Colonna Group

City of Pflugerville  
Bid Number: 2021-1  
Water and Wastewater Chemical Bid

Tax ID No: 85-1197398

Legal Business Name: The Colonna Group, LLC

Address: 8911 Tami Renee Lane

City State & Zip: Houston, TX 77040-2420

Contact: Leandra Guy

Telephone: 832-317-6695

Business Entity Type: LLC

Email Address: Leandra@thecolonnagroup.com

Authorized Signature 

Print Name Leandra Guy

“By the signature hereon affixed, the bidder hereby certifies that neither the bidder nor the entity represented by the bidder, or anyone acting for such entity has violated the antitrust laws of this State, codified in section 15.01 et seq., Texas Business and Commerce Code, or Federal Antitrust laws, nor communicated directly or indirectly, The bid made to any competitor or any other person engaged in such line of business.”

Bids maybe submitted electronically on [texasbidsystem.com](http://texasbidsystem.com) or mailed to City of Pflugerville Attn: Sabrina Schmidt P.O. Box 589, Pflugerville, TX 78691.

Prior to 2 pm on October 15, 2020.

Envelopes must have bid number, opening date and time on the outside of the sealed envelope. Bidders name must also appear on the outside of the envelope.

City of Pflugerville  
Bid No. 2021-1  
Water and Wastewater Chemical Bid Sheet

1. Clarifloc C-6232 Polymer      3-275 gal totes      Price per tote \$ -  
Estimated (275gal)-60 totes/year  
Delivery address: Wastewater Treatment Plant  
15500 Sun Light Near Way  
Pflugerville, TX 78660.
2. Sodium Bisulfite Aqueous Solution 10-275 gal totes Price per tote \$ 735.74  
Estimated 10/275 gal totes/year  
Delivery address: Water Treatment Plant,  
17601 Weiss Ln.  
Pflugerville, TX 78660.
- 2A. Sodium Bisulfite Aqueous Solution 800-1000 gal/load Price per gallon \$ 2.525  
Estimated 40,000 gal/year  
Delivery address: Wastewater Treatment Plant  
15500 Sun Light Near Way  
Pflugerville, TX 78660.
3. Aluminum Sulfate, Technical Grade 4,500-5,000 gal/load Price per gallon \$ .043  
Estimated 146,000 gal/year  
Delivery address: Wastewater Treatment Plant  
15500 Sun Light Near Way,  
Pflugerville, TX 78660.
4. Chlorine      4 one ton Cylinders/delivery      Price per ton      \$ -  
Estimated 56 tons/year  
Delivery address: Wastewater Treatment Plant  
15500 Sun Light Near Way,  
Pflugerville, TX 78660.
- 4 A. Chlorine      150 lb. Cylinder      Price per Cylinder      \$ -  
Estimated 60 150lb. Cylinders/year  
Delivery addresses: Water well # 6 1607 Glen Rose Chase,  
& Water Well # 7, Chisholm Trail, Pflugerville, TX 78660.

Company Name The Colonna Group

5. Liquid Ammonium Sulfate (LAS) 40,720 lbs. per load Price per lb. \$ - \_\_\_\_\_  
Estimated 10 loads/year  
Delivery Address: Water Treatment Plant  
17601 Weiss Ln,  
Pflugerville, TX 78660.

A. Liquid Ammonium Sulfate (LAS) 55 gal/drum Price per drum \$ - \_\_\_\_\_  
Estimated 52 55gal drums/year  
Delivery Addresses: Water Well # 6, 1607 Glen Rose Chase,  
& Water Well #7, Chisholm Trail, Pflugerville, TX 78660.

6. Aluminum Chlorhydrate Solution (ACH) 45,000 lbs. per load Price per lb. \$ - \_\_\_\_\_  
Estimated 8 loads/year  
Delivery Address: Water Treatment Plant,  
17601 Weiss Ln, Pflugerville, TX 78660.

7. Salt 24 tons per load Price per ton \$ 338.85 \_\_\_\_\_  
Estimated 9 loads/year  
Delivery Address: Water Treatment Plant,  
17601 Weiss Ln, Pflugerville, TX 78660.

8. Citric Acid 275 gal/totes Price per tote \$ 1,848.6 \_\_\_\_\_  
Estimated 5/275 gal totes/year  
Delivery Address: WTP,  
17601 Weiss Ln, Pflugerville, TX 78660.

**\*\*\*PRICE per chemical above MUST include all delivery/fuel charges per chemical.**

Chemicals are to be delivered to the addresses specified above.  
Deliveries will be between the hours 7am –4pm, Monday – Friday.

Company Name The Colona Group

## CLARIFLOC C-6232 POLYMER

### Specification Sheet

#### Typical Properties

Physical Form	Clear to Milky White Liquid
Cationicity	Low
Freezing Point	7 F. (-14 C.)
Flash Point	>200 F.(<93 C.)
Density	8.6-8.7

#### Manufacturing Specifications

Total Solids	41- 48%
Residual AcAm	<1000 ppm
Neat Viscosity	300 – 2000 cPs
Molecular Weight	Structured

## SODIUM BISULFITE AQUEOUS SOLUTION

### Specification Sheet

Typical Composition	CAS #'s	% Sodium
Sodium Bisulfite( $\text{NaHSO}_3$ )	7631-90-5	38-44
Sodium Sulfite ( $\text{Na}_2\text{SO}_3$ )	7757-83-7	<1
Sodium Sulfate ( $\text{Na}_2\text{SO}_4$ )	7757-82-6	<4
Water	7732-18-5	60-65

### Physical & Chemical Properties

Appearance and Odor	Clear yellow liquid, pungent odor
Boiling Point	103 <sup>0</sup> C/217 <sup>0</sup> F Estimated
Melting Point	No Data
Vapor Density (air=1):	>1.0 Estimate
Vapor Pressure:	32mm Hg Estimate
Solubility in Water	Dilutable
Specific Gravity (H <sub>2</sub> O=1):	1.31 to 1.38
Ph:	3.5 to 5.0
Other(i.e. wt. Per gallon)	10.8 to 11.3 lb/gal

# ALUMINUM SULFATE, TECHNICAL GRADE

## Specification Sheet

	Min.	Max.
Aluminum Oxide (0%)	8.25	8.51
Alum Sulfate	48.53	50.06
Appearance	Clear	
Color	Amber, Colorless, Light Amber, Light Straw, Greenish Blue	
Iron	0	0.35
pH	1	3
Specific Gravity	1.323	1.3352



# CHLORINE

## Specification Sheet

Component	Basis	Specification
Purity	Vol. %	99.5 Min.
Moisture	ppm by wt.	50 Max.
Nonvolatile Matter (NVM)	ppm by wt.	30 Max.
Total Chloromethanes	ppm by wt.	175 Max.
Carbon Tetrachloride	ppm by wt.	100 Max.
Chloroform	ppm by wt.	75 Max.

Meets ANSI/AWWA B301-04 Test Requirements.

LAIS

**QUALITY CONTROL DEPARTMENT**

**SPECIFICATION SHEET**

PRODUCT		
AQUAMINE		RMS115-1GBulk
SPECIFICATION	SPECIFICATION VERSION	SPECIFICATION DATE
	1.3000	
PRODUCT SPECIFICATION		
TEST	TEST ID	REQUIREMENTS
Ammonia as NH3	Ammonia	9.8 =< Value =< 10.8
Assay	Assay	38 =< Value =< 42
REMARKS		
DOT MARKINGS		
UN CODE	PACKAGING GROUP	CAS NUMBER
DOT NAME		
Not Regulated		
CONTAINS		
HAZARD TEXT		

Important

The information on this sheet is believed to be accurate but is not warranted to be so. Precautionary equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of needs that the information is applicable and suitable to their circumstances.

**Specifications**  
**Aluminum Chlorhydrate Solution**

Formula	$\text{Al}_2(\text{OH})_5\text{Cl} \cdot 2 \text{H}_2\text{O}$	
Nomenclature	Aluminum Chlorhydrate Solution (50%)	
CAS Number	12042-91-0	
CAS Index Name	Aluminum Hydroxychloride	
Grade	Technical	
Molecular Weight	210.5	
Description	Aluminum Chlorhydrate Solution is clear to slightly hazy in Appearance. It meets AWWA standard ANSI/AWWA B408-03 And has been certified by the National Sanitation Foundation (NSF) For the use in the treatment of drinking water at maximum dosage Of 250 mg/L.	
Specifications	Alumina, % $\text{Al}_2\text{O}_3$	23.0-24.0
	Chlorides,%Cl	7.90-8.40
	Basicity, %	82.5-84.5
	Specific Gravity (at 60°F):	1.330-1.350
	Appearance	Clear to slightly hazy solution. free of visible foreign matter or sediment.
	Turbidity,NTU	<50

Salt  
Specification Sheet

Salt (Food Grade)

Citric Acid  
Specification Sheet

CAS # 77-92-9

48-52% Citric Acid Content

52-48% Water

Appearance

Clear, Colorless liquid

Melting Point – 153 – 159 C

pH – 2.2

Solubility – 383 g/L at 25 C

**City of Pflugerville  
Insurance Requirements**

Bidder/Proposer performing work on City property or public right-of-way for the City of Pflugerville shall provide the City a certificate of insurance evidencing the coverage provisions identified herein. Bidder/Proposer shall provide the City evidence that all subcontractors performing work on the project have the same types and amounts of coverage as required herein or that the subcontractors are included under the contractor's policy. The City, at its own discretion, may require a certified copy of the policy.

All insurance companies and coverage must be authorized by the Texas Department of Insurance to transact business in the State of Texas and must be acceptable to the City of Pflugerville.

Listed below are the types and amounts of insurance required. The City reserves the right to amend or require additional types and amounts of coverage or provisions depending on the nature of the work.

<b>Type of Insurance</b>	<b>Amount of Insurance</b>	<b>Provisions</b>
Commercial General (Public) Liability to include coverage for: Premises/Operations  Products/ Completed Operations  Independent Contractors  Personal Injury  Contractual Liability	1,000,000 per occurrence, 2,000,000 general aggregate  Or  2,000,000 combined single coverage limit	City to be listed as additional insured and provide 30- days notice of cancellation or material change in coverage  City to be provided a waiver of subrogation  City prefers that insurer be rated B+V1 or higher by A.M. Best or A or higher by Standard & Poors
Business Auto Liability	1,000,000 combined single limit	City to be provided a waiver of subrogation
Workers' Compensation & Employers Liability	Statutory Limits 1,000,000 each accident	City to be provided a waiver of subrogation

Questions regarding this insurance should be directed to the City of Pflugerville (512)990-6100 A contract will not be issued without evidence of Insurance. We will only accept the ACORD 25 or ISO certificate of insurance forms.

# Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
 See Specific Instructions on page 3.

**1** Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
**The Colonna Group LLC**

**2** Business name/disregarded entity name, if different from above

**3** Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC   
 C Corporation   
 S Corporation   
 Partnership   
 Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ \_\_\_\_\_

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ \_\_\_\_\_

**4** Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) \_\_\_\_\_

Exemption from FATCA reporting code (if any) \_\_\_\_\_

(Applies to accounts maintained outside the U.S.)

**5** Address (number, street, and apt. or suite no.) See instructions.  
**8911 Tami Renee Lane**

**6** City, state, and ZIP code  
**Houston, texas 77040**

**7** List account number(s) here (optional)

Requester's name and address (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

**Social security number**

				-			-				
--	--	--	--	---	--	--	---	--	--	--	--

**or**

**Employer identification number**

8	5	-	1	1	9	7	3	9	8
---	---	---	---	---	---	---	---	---	---

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here**    Signature of U.S. person ▶    Date ▶ 07/07/2020

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

**GOVERNMENTAL CONTRACT AND PURCHASING RIDER  
FOR THE CITY OF PFLUGERVILLE, TEXAS**  
(Version June 25, 2020)

By submitting a response to a solicitation or bid, or by entering into a contract for goods or services and/or by accepting a purchase order, the contracting party identified below agrees that the below terms and conditions shall govern all agreements with the City unless otherwise agreed to by a specifically executed provision within the contract and if permissible by law. Absent a specifically executed provision, the below terms are BINDING and SUPERSEDE any and all other terms and/or conditions whether oral or written.

**1. Application.** This Governmental Rider applies to, is part of, and takes precedence over any conflicting provision in or attachment to the Contract (Contract) (attached hereto) of The Colonna Group, (Vendor). The Contract involved in this Rider is described as follows:

**Title of Contract:** *Bid # 2021-1 Water and Wastewater Chemicals*

**2. Payment Provisions.** The City's payments under the Contract, including the time of payment and the payment of interest on overdue amounts, are subject to Chapter 2251, Texas Government Code. City reserves the right to modify any amount due to contractor presented by invoice to the city if necessary to conform the amount to the terms of the contract.

**3. Multiyear Contracts.** If the City's city council does not appropriate funds to make any payment for a fiscal year after the City's fiscal year in which the contract becomes effective and there are no proceeds available for payment from the sale of bonds or other debt instruments, then the Contract automatically terminates at the beginning of the first day of the successive fiscal year. (Section 5, Article XI, Texas Constitution). It is understood and agreed the City shall have the right to terminate the agreement at the end of any City fiscal year if the governing body of the City does not appropriate funds sufficient to continue the contract, as determined by the City's budget for the fiscal year in question. The City may execute such termination by giving contractor a written notice of termination at the end of its then current fiscal year.

**4. Best Value Determination.** All competitive bids or proposals received shall be evaluated based on the best value for the City. Best value shall be determined any relevant criteria specifically listed in the solicitation and by considering all or part of the criteria listed below:

- a. Bid price.
- b. Reputation of the bidder and of bidder's goods and services.
- c. The quality of the bidder's goods or services.
- d. The extent to which the goods or services meet the City's needs.
- e. Bidder's past relationship with the City. All vendors shall be evaluated on their past performance and prior dealings with the City to include, but not limited to, failure to meet specifications, poor quality, poor workmanship, and late delivery.



**5. Local Preference.** The City Council supports the local preference option for purchasing. In accordance with Chapter 271.9051 of the State of Texas Local Government Code, the City Council may choose to award a competitive bid to a bidder whose principal place of business is in the City limits, provided that this bid is within 5% of the lowest bid price received.

**6. No Ex-Parte Communications during Competitive Bidding Period.** To insure the proper and fair evaluation of a response, the City prohibits ex parte communication (e.g., unsolicited) initiated by the proposed contractor to a City official or employee evaluating or considering the responses prior to the time a formal decision has been made. Questions and other communication from vendors will be permissible until 5:00 pm on the day specified as the deadline for questions. Any communication between responder and the City after the deadline for questions will be initiated by the appropriate City official or employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the response. Ex parte communication may be grounds for disqualifying the offending responder from consideration or award of the solicitation then in evaluation, or any future solicitation.

**7. Abandonment or Default.** A contractor who abandons or defaults the work on the contract and causes the City to purchase the services elsewhere may be charged for any increased cost of goods, materials and/or services related thereto and shall be considered disqualified in any re-advertisement of the service and may not be considered in future bids for the same type of work for a period of three years for the same scope of work, goods or services.

**8. Disclosure of Litigation.** Each contractor shall include in its proposal a complete disclosure of any civil or criminal litigation or investigation pending which involves the respondent or which has occurred in the past in which the respondent has been judged guilty or liable by a competent court regardless of whether the Court Order or Judgment is final or on appeal.

**9. Cancellation.**, the City reserves the right to cancel the contract without penalty by providing 30 days prior written notice to the contracting party. Termination under this paragraph shall not relieve the contractor of any obligation or liability that has occurred prior to cancellation. **NOTE: This contract is subject to cancellation, without penalty, at any time the City deems the vendor to be non-compliant with contractual obligations.**

**10. Annual Vendor Performance Review.** The City reserves the right to review the vendor's performance at the end of each twelve month contract period and to cancel all or part of the agreement (without penalty) or continue the contract through the next period.

**11. Compliance with other laws and certification of eligibility to contract.** Any offer to contract with the City shall be considered an executed certification that the contractor will shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, (as amended during the contracting period) and any orders and decrees of any court or administrative bodies or tribunals in any matter affecting the performance of the resulting agreement, including without limitation, immigration laws, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. *Additionally, such offer shall indicate that the contract has fully read and understood the terms and conditions for*

*eligibility to contract with the City pursuant to Chapter 38 of the City's Ordinances and certifies they are in compliance with those local requirements.* When requested, the contractor shall furnish the City with satisfactory proof of its compliance within 10 days or any contract with the City is void.

**12. Compliance with all Codes, Permitting and Licensing Requirements.** The successful contractor shall comply with all national, state and local standards, codes and ordinances as well as any other authorities that have jurisdiction pertaining to equipment and materials used and their application. None of the terms or provisions of the specification shall be construed as waiving any rules, regulations or requirements of these authorities. The successful bidder shall be responsible for obtaining all necessary permits, certificates and/or licenses to fulfill contractual obligations.

**13.** The City of Pflugerville may not enter into a contract with a company for goods and services unless the contract contains a written verification from the company that; (i) it does not Boycott Israel; and (ii) will not Boycott Israel during the term of the contract. (Texas Government Code Chapter 2270) by accepting this purchase order, the vendor (Professional or other applicable term defining the contracting party) verifies that it does not Boycott Israel, and agrees that during the term of this agreement (contract as applicable) will not Boycott Israel as that term is defined in the Texas Government Code Section 808.001, as amended.

**14. Liability and Indemnity of City.** Any provision of the Contract is void and unenforceable if it: (1) limits or releases either party from liability that would exist by law in the absence of the provision; (2) creates liability for either party that would not exist by law in the absence of the provision; or (3) waives or limits either party's rights, defenses, remedies, or immunities that would exist by law in the absence of the provision.. (Section 5, Article XI, Texas Constitution)

**15. Indemnity and Independent Contractor Status of Contractor.** Contractor shall indemnify, save harmless and defend the City, its officers, agents, and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses, attorney's fees and any and all other costs or fees (whether grounded in Constitutional law, Tort, Contract, or Property Law, or raised pursuant to local, state or federal statutory provision), arising out of the performance of the resulting agreement and/or arising out of a willful or negligent act or omission of the contractor, its officers, agents, and employees. It is understood and agreed that the contractor and any employee or sub-contractor of contractor shall not be considered an employee of the City. The contractor shall not be within protection or coverage of the City's workers' compensation insurance, health insurance, liability insurance or any other insurance that the City from time to time may have in force and effect. City specifically reserves the right to reject any and all contractor's employees, representatives or sub-contractors and/or their employees for any cause, should the presence of any such person on City property or their interaction with City employees be found not in the best interest of the City, harassing, or is found to interfere with the effective and efficient operation of the City's workplace.

CITY OF PFLUGERVILLE, TEXAS  
PURCHASING RIDER

**16. Liens.** Contractor agrees to and shall indemnify and save harmless the City against any and all liens and encumbrances for all labor, goods and services which may be provided under the resulting agreement. At the City's request the contractor or subcontractors shall provide a proper release of all liens, or satisfactory evidence of freedom from liens shall be delivered to the City.

**17. Confidentiality.** Any provision in the Contract that attempts to prevent the City's disclosure of information that is subject to public disclosure under federal or Texas law or regulation, or court or administrative decision or ruling, is invalid. (Chapter 552, Texas Government Code)

**18. Tax Exemption.** The City is not liable to Vendor for any federal, state, or local taxes for which the City is not liable by law, including state and local sales and use taxes (Section 151.309 and Title 3, Texas Tax Code) and federal excise tax (Subtitle D of the Internal Revenue Code). Accordingly, those taxes may not be added to any item. Texas limited sales tax exemption certificates will be furnished upon request. Vendors shall not charge for said taxes. If billed, the City will remit payment less sales tax.

**19. Contractual Limitations Period.** Any provision of the Contract that establishes a limitations period that does not run against the City by law or that is shorter than two years is void. (Sections 16.061 and 16.070, Texas Civil Practice and Remedies Code)

**20. Sovereign Immunity.** Any provision of the Contract that seeks to waive the City's immunity from suit and/or immunity from liability is void unless agreed to by specific acknowledgement of the provision within the contract.

**21. Governing Law and Venue.** Texas law governs this Contract and any lawsuit on this Contract must be filed in a court that has jurisdiction in Travis County, Texas.

**22. Certificate of Interested Parties (TEC Form 1295).** For contracts needing City Council approval, the City may not accept or enter into a contract until it has received from the Contractor a completed, and signed TEC Form 1295 complete with a certificate number assigned by the Texas Ethics Commission ("TEC"), pursuant to Texas Government Code § 2252.908 and the rules promulgated thereunder by the TEC. The Contractor understands that failure to provide said form complete with a certificate number assigned by the TEC may prohibit the City from entering the Contract.

Pursuant to the rules prescribed by the TEC, the TEC Form 1295 must be completed online through the TEC's website, assigned a certificate number, printed, signed and notarized, and provided to the City. The TEC Form 1295 may accompany the bid or may be submitted separately, but must be provided to the City prior to the award of the contract. Neither the City nor its consultants have the ability to verify the information included in a TEC Form 1295, and neither have an obligation nor undertake responsibility for advising any bidder with respect to the proper completion of the TEC Form 1295.

CITY OF PFLUGERVILLE, TEXAS  
PURCHASING RIDER

23. Any provision of the Contract is void and unenforceable if it authorizes Contractor to amend the Contract at its sole discretion or otherwise without a negotiated and signed amendment to the Contract.

CITY OF PFLUGERVILLE, TEXAS

VENDOR

By: \_\_\_\_\_

City Manager

 \_\_\_\_\_

Title: Project Manager | The Colonna Group  
\_\_\_\_\_

Date: \_\_\_\_\_

Date: 10/14/2020  
\_\_\_\_\_

The Texas Legislature approved HB 1295 during its last Legislative session and the date for implementation of the new process was January 1, 2016.

To comply with this new mandate, the City must ask all business entities contracting with the City for items that are approved by Council to follow the new rules. Additional information about these new requirements can be accessed on the [Texas Ethics Commission website](#).

Please complete this form electronically on the Texas Ethics Commission web site at <https://www.ethics.state.tx.us/main/file.htm>. The completed Form 1295, Certification of Filing, must then be printed, and returned to the City along with the signed contracts.

REFERENCE SHEET

Please complete and return this form with the Solicitation response

Bid No: 2021-1

Water and Wastewater Chemicals

Bidders Name: The Colonna Group Date 10/14/2020

Provide the name, address, telephone and point of contact of at least three firms that have utilized the chemical for at least 2 years. References will be checked prior to award. Any negative responses received may result in disqualification of bid.

1. Company's Name Austin ISD  
Name of Contact Julie Bynum  
Title of Contact Executive Assistant  
E-Mail Address julie.bynum@austinisd.org  
Present Address 1111 West 6th St, A-330  
City, State, Zip Code Austin, TX 78703  
Telephone Number (512) 414-2204 Fax Number ( )
  
2. Company's Name DLA  
Name of Contact Marcella Simmons  
Title of Contact N/A  
E-Mail Address marcella.simmons@dla.mil  
Present Address 8000 Jefferson Davis Highway  
City, State, Zip Code Richmond, VA 23297  
Telephone Number 804)297-6245 Fax Number ( )
  
3. Company's Name Navy Mil  
Name of Contact Vernon Fowler  
Title of Contact N/A  
E-Mail Address vernon.fowler@navy.mil  
Present Address \_\_\_\_\_  
City, State, Zip Code Norco, CA 92860  
Telephone Number 951)393-5966 Fax Number ( )

Failure to provide the required information with the solicitation response may automatically disqualify the response from consideration from award.



Interlocal Cooperative Contracting

Other governmental entities within the State of Texas may be extended the opportunity to purchase off of the City of Pflugerville's solicitation, with the consent and agreement of the successful vendor(s) and the City of Pflugerville. Such consent and agreement shall be conclusively inferred from lack of exception to this clause in the vendor's response. However, all parties indicate their understanding and all parties hereby expressly agree that the City of Pflugerville is not an agent of, partner to, or representative of those outside agencies or entities and that the City of Pflugerville is not obligated or liable for any action or debts that may arise out of such independently-negotiated "piggyback" procurements.

Vendor Name: The Colonna Group

Agree

Disagree

Date: 10/14/2020



INFO@THECOLONNAGROUP.COM  
WWW.THECOLONNAGROUP.ORG  
817.449.4609

*Project Idle*, Notice ID/IFB:2021-1

**NOTICE ID/IFB:**  
2021-1

**DEPARTMENT/IND.AGENCY**  
City of Pflugerville

## QUOTE ENCLOSED

Greetings,

The Colonna Group (“TCG”, the “Contractor”), a Service Disabled Veteran Owned Small Business (“SDVOSB”), is excited to provide this quotation in response to your RFQ for 2021-1- Water and Wastewater Chemicals, at the delivered total price of **\$197,070**. Due to the current wastewater chemical market we will bid only on the Sodium Bisulfite Aqueous, Liquid Ammonium Sulfate, Salt & Citric Acid. The Interlocal Cooperative Contract is not included in this bid packet since it’s not applicable.

The founders of TCG (Cage 8MDV5) have extensive experience in the glycols and chemicals industry through their work at glycol manufacturers, as well as a background in chemical process engineering.

We are looking forward to serving this contract opportunity, and welcome any questions / clarifications, as they may arise.

Very Respectfully,

Leandra Guy  
Project Manager  
The Colonna Group  
[Leandra@thecolonnagroup.com](mailto:Leandra@thecolonnagroup.com)





# THE COLONNA GROUP

INFO@THECOLONNAGROUP.COM

WWW.THECOLONNAGROUP.ORG

817.449.4609

*Project Idle*, Notice ID/IFB:2021-1

**TOPIC:** This quotation serves as a direct response to the RFQ generated by City of Pflugerville (the "Buyer") 2021-1 - Water and Wastewater Chemicals.

**OBJECTIVE:** As it relates to the City of Pflugerville, upcoming intent to award a 2021 -1 contract.

**IDEAL READER:** Brandon Pritchett 512 -990-6400

NOT INTENDED FOR DISTRIBUTION

**Quote:**

**Materials**

**Sodium Bisulfite Aqueous Solutions**

- (10) 275 Gal

- 40,000 Gal

**Aluminum Sulfate Technical Grade**

-146,000 Gal

**Salt**

-(9) 24 tons

**Citric Acid**

-(5) 275Gal

Manufacturing & Blending Partner:

***Harcros***

4604 New W Dr.

Pasadena, TX 77507

Phone number 281.4743689

**Quantity**

-



# THE COLONNA GROUP

INFO@THECOLONNAGROUP.COM  
WWW.THECOLONNAGROUP.ORG  
817.449.4609

*Project Idle, Notice ID/IFB:2021-1*

<b>Unit Price</b>	Please view bid sheet
<b>Freight Method</b>	Enclosed dry vans & flat bed
<b>Freight, Point of Origin</b>	4606 New W Dr. Pasadena, TX 77507
<b>Freight, Point(s) of Delivery</b>	<b><i>Total Quality Logistics</i></b> 2525 N Loop W suite 450 Houston, TX 77008

**TOTAL DELIVERED PRICE**    \$ 197,070

#### Testing And Material Specification

TCG has arranged for the chemicals to be manufactured, packaged and prepared for shipment from the manufacturer Harcros located at 4604 New W Dr. Pasadena, TX 77507.

The Contractor shall blend the materials to the exact specifications elaborated in the "Specification Sheet" for Sodium Bisulfite Aqueous, Aluminum Sulfate, Salt and Citric Acid prepared by the City of Pflugerville. Specification document attached in this quote.

#### **Blending Location and Freight Considerations**



# THE COLONNA GROUP

INFO@THECOLONNAGROUP.COM  
WWW.THECOLONNAGROUP.ORG  
817.449.4609

*Project Idle, Notice ID/IFB:2021-1*

## Contact


Material specific questions, acquisition/procurement, and additional safety certifications are available upon request.

The Point of Contact (“POC”) for this document is:

Leandra Guy  
The Colonna Group | Project Manager  
Leandra @thecolonnagroup.com

All questions or inquiries regarding this document can be sent to the POC.

## Company Information

<b>Name and Location</b>	The Colonna Group, LLC located at 8911 Tami Renee LaneHouston, TX 77040-2420.
<b>Contact Information Name:</b>	Name:Leandra Guy Email: <a href="mailto:Leandra@thecolonnagroup.com">Leandra@thecolonnagroup.com</a> Phone:832-317-6695 <a href="http://www.thecolonnagroup.org">www.thecolonnagroup.org</a>
<b>Business Size</b>	<\$1,000,000 in Revenue <1,000 Employees
<b>Socio-economic Category Small Business Enterprise</b>	Minority Owned – Registration pending Service-Disabled Veteran Owned Small Business (SDVOSB)
<b>Availability</b>	
<b>Capabilities Statement</b>	<i>Enclosed</i>
<b>DUNS Number</b>	117547399
<b>CAGE Code</b>	8MDV5



**THE COLONNA**  
**GROUP**

INFO@THECOLONNAGROUP.COM

WWW.THECOLONNAGROUP.ORG

817.449.4609

*Project Idle, Notice ID/IFB:2021-1*

**EXHIBIT II  
REFERENCES  
LIST OF PREVIOUS CUSTOMERS**

Name: Julie Bynum Phone No.: 512-414-2204

Address: 1111 West 6th Street, A-330, Austin, TX 78703

Contract Award Date: August 25, 2020 Contract Completion Date: On going

Contract Name/Title: Executive Assistant

Email of contact person: julie.bynum@austinisd.org

Description of services: Arranged shipment of bulk engine oil to Austin ISD

Name: Marcella Simmons Phone No.: 804-297-6245

Address: 8000 Jefferson Davis Highway, Richmond, VA 23297

Contract Award Date: September 18, 2020 Contract Completion Date: On Going

Contract Name/Title: Absorbant Pads, NSN 4235-01-308-5150, Sorbent, Oil contract

Email of contact person: marcella.simmons@dla.mil

Description of services: Arranged delivery of oil absorbant pads

Name: Vernon L. Fowler Phone No.: 951-393-5966

Address: Norco, CA 92860

Contract Award Date: August 19, 2020 Contract Completion Date: On Going

Contract Name/Title: Dual Band Radar (DBR) Propylene Glycol/Water blend

Email of contact person: vernon.fowler@navy.mil

Description of services: Arranged shipment of Dual Band radar coolant

# 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

Certificate Number:

Date Filed:

Date Acknowledged:

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

The Colonna Group  
Houston, TX United States

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

City of Pflugerville

**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.**

Bid 2021-1  
Water and Wastewater Chemicals

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Dodd , Sterling	Houston, TX United States	X	
	Herrera, Rafael	Humble, TX United States	X	
	Asad Akram	Houston, TX 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)



Revision Date 10-Apr-2017

Version 3

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Product Name** Salt, Sodium Chloride

**Other means of identification**

**Product Code(s)** SALT, SODIUM CHLORIDE  
**Synonyms** Industrial Grade Sodium Chloride

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

**Recommended Use** Industrial (not for food or food contact use)

**Details of the supplier of the safety data sheet**

**Manufacturer Address** United Salt Baytown LLC  
7901 FM 1405  
Baytown, Texas 77523

United Salt Saltville LLC  
864 Ader Lane  
Saltville, Virginia 24370

**Emergency telephone number**

**Company Phone Number** United Salt Corporation  
800-554-8658  
713-877-2677

**Emergency Contact:** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

**2. HAZARDS IDENTIFICATION**

**Classification**

**Serious eye damage/eye irritation** Category 2B

**GHS Label elements, including precautionary statements**

<b>Warning</b>		
<b>Hazard Statements</b> Causes eye irritation		
<b>Appearance</b> White, crystalline.	<b>Physical state</b> Solid.	<b>Odor</b> Odorless.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

**Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**General Hazards** Although not required to be classified under GHS, this product has been self-classified.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Industrial Grade Sodium Chloride.

Chemical Name	CAS-No	Weight %
Sodium Chloride	7647-14-5	60-100

\* Yellow prussiate of soda in trace amounts is used as an anti-caking agent in the sized salt.

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	Burning feeling and temporary redness. May cause irritation and redness. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. If symptoms persist, call a physician.
<b>Skin contact</b>	May cause dryness to skin. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. Irritating to mucous membranes. May cause throat irritation. If symptoms persist, call a physician.
<b>Ingestion</b>	Drink plenty of water. Rinse mouth with water. If symptoms persist, call a physician. Not intended for human or animal consumption.
<b>Protection of First-aiders</b>	Use personal protective equipment.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Keep patient under observation. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Material is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b><u>Unsuitable Extinguishing Media</u></b>	CAUTION: Use of water spray when fighting fire may be inefficient. CAUTION: Use of water spray when fighting fire may be inefficient.
<b><u>Specific hazards arising from the chemical</u></b>	No data available.
<b><u>Hazardous Combustion Products</u></b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
<b><u>Explosion data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

#### 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.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment. Avoid dust formation. Avoid contact with the skin and the eyes.
<b>Other information</b>	See Section 12 for additional information.
<b><u>Environmental Precautions</u></b>	
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.



**Methods and Materials for Containment and Cleaning Up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Avoid generation and spreading of dust.
<b>Methods for Cleaning Up</b>	Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on safe handling</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest.
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**Conditions for safe storage, including any incompatibilities**

<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
--	--

<b>Incompatible products</b>	Bromine Trifluoride, Lithium.
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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

<b>Exposure Guidelines</b> <b>Exposure controls</b>	Treat as a nuisance dust.
--	---------------------------

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems. Ensure adequate ventilation to remove vapors, fumes, dust, etc. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure that eyewash stations and safety showers are close to the workstation location.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields or Tightly fitting safety goggles for dusty conditions
<b>Skin and body protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear latex or Nitrile gloves.
<b>Respiratory protection</b>	Effective dust mask. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and chemical properties**

<b>Physical state</b>	Solid.	<b>Odor</b>	Odorless.
<b>Appearance</b>	White, crystalline.	<b>Odor Threshold</b>	No data available
<b>Color</b>	No data available		
<b>Property</b>	<b>Values</b>	<b>Note • Method</b>	
<b>pH @ 20 °C</b>	No data available		
<b>Melting/freezing point</b>	800 °C / 1472 °F.		

<b>Boiling point/boiling range</b>	1413 °C / 2575 °F.
<b>Flash Point</b>	Not Determined
<b>Evaporation rate</b>	N/A
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	
<b>Upper Flammability Limit</b>	No data available.
<b>Lower Flammability Limit</b>	No data available.
<b>Vapor pressure</b>	1 MM@ 855 deg
<b>Vapor density</b>	N/A
<b>Specific Gravity</b>	2.165
<b>Water solubility</b>	Appreciable (26.43 % by weight at 20C)
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	No data available.
<b>Oxidizing Properties</b>	No data available

**Other information**

<b>Softening point</b>	No data available
<b>Molecular Weight</b>	No data available
<b>VOC Content</b>	No data available.
<b>Density</b>	No data available
<b>Bulk Density</b>	No data available.

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

No data available.

**Incompatible Materials**

Bromine Trifluoride, Lithium.

**Hazardous Decomposition Products**When heated to decomposition (above 1413 C) may emit toxic fumes of Na<sub>2</sub>O and Cl<sub>2</sub>.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	Irritating to skin. Prolonged contact may cause redness and irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract. Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

**Information on toxicological effects**

<b>Symptoms</b>	No data available.
-----------------	--------------------

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No data available.
<b>Mutagenic Effects</b>	No data available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive Toxicity</b>	No data available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Target Organ Effects</b>	Skin, Eyes, Gastrointestinal tract (GI).
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	3000 mg/kg
<b>LD50 Oral (mg/kg)</b>	3000 mg/kg (rat) Estimated
<b>LD50 Dermal</b>	10000 mg/kg (rat) Estimated
<b>LC50 Inhalation (DUST)</b>	17572 mg/l (mist) (dust) mg/m <sup>3</sup> 4 hour Estimated

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium Chloride 7647-14-5	-	5560 - 6080 mg/L: 96 h Lepomis macrochirus LC50 flow-through 12946 mg/L: 96 h Lepomis macrochirus LC50 static 6020 - 7070 mg/L: 96 h Pimephales promelas LC50 static 7050 mg/L: 96 h Pimephales promelas LC50 semi-static 6420 - 6700 mg/L: 96 h Pimephales promelas LC50 static 4747 - 7824 mg/L: 96 h Oncorhynchus mykiss LC50 flow-through	1000 mg/L: 48 h Daphnia magna EC50 340.7 - 469.2 mg/L: 48 h Daphnia magna EC50 Static

**Persistence and degradability** No data available.

**Bioaccumulation** No data available.

**Other adverse effects** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment****Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local

regulations for additional requirements. Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**Harmonized Tariff Schedule / Schedule B**

<b>HTS/Schedule B Code</b>	2501.00.0000
<b><u>DOT</u></b>	Not regulated.
<b><u>TDG</u></b>	Not regulated.
<b><u>MEX</u></b>	Not regulated.
<b><u>ICAO</u></b>	Not regulated.
<b><u>ICAO/IATA</u></b>	Not regulated.
<b><u>IMDG/IMO</u></b>	Not regulated.
<b><u>RID</u></b>	Not regulated.
<b><u>ADR/RID</u></b>	Not regulated.
<b><u>ADN</u></b>	Not regulated.

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No

**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

**EPA Pesticide registration number** Not applicable.

**16. OTHER INFORMATION**

**Technical Contact** Tom Ellis  
Technical Manager  
7901 FM 1405  
Baytown, Texas 77523  
Office: 281-303-1101 ext 1104

**Prepared By** HSE Department  
4800 San Felipe St.  
Houston, TX 77056

**Revision Date** 10-Apr-2017

**Reason for Revision:** SDS sections updated 1

**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

## 1. Identification

<b>Product identifier</b>	<b>Citric Acid 50%</b>	
<b>Other means of identification</b>		
<b>SDS Number</b>	320112-03	
<b>Recommended use</b>	For industrial and manufacturing use only.	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company name</b>	Harcros Chemicals Inc	
<b>Address</b>	5200 Speaker Rd. Kansas City, KS 66106 United States	
<b>Main Telephone Number</b>	1-913-321-3131	
<b>Website</b>	www.harcros.com	
<b>E-mail</b>	custserv@harcros.com	
<b>Emergency #: CHEMTREC</b>	1-800-424-9300	
<b>Emergency #: CHEMTREC</b>	1-703-741-5970 (International Number - Call collect)	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes severe skin burns and eye damage. Causes serious eye damage.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not breathe mist/vapors. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.
<b>Storage</b>	Store away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in accordance with local/regional/national/international regulations.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	50% of the mixture consists of component(s) of unknown acute dermal toxicity. 50% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 50% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Citric acid		77-92-9	50 - < 60
Water		7732-18-5	50 - < 60

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is miscible in water.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

<b>Occupational exposure limits</b>	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Do not get in eyes. Wear chemical goggles and face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colourless to light yellow.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	< 2
<b>Melting point/freezing point</b>	32 °F (0 °C)
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	> 1
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.



## Other information

Density	1.08 g/cm <sup>3</sup>
Explosive properties	Not explosive.
Flash point class	Non-flammable.
Oxidizing properties	Not oxidizing.
Specific gravity	1.24 @ 25°C
VOC	EPA CARB

## 10. Stability and reactivity

Reactivity	Reacts violently with strong alkaline substances. This product may react with reducing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Bases. Strong oxidizing agents. Reducing agents. Acetates. Metal nitrates. Potassium tartrate. Sulfides.
Hazardous decomposition products	Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.

**Symptoms related to the physical, chemical and toxicological characteristics** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### Information on toxicological effects

**Acute toxicity** Not known.

Components	Species	Test Results
Citric acid (CAS 77-92-9)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	6730 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation** Causes serious eye damage.

### Respiratory or skin sensitization

**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.

**Skin sensitization** Due to partial or complete lack of data the classification is not possible.

**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity** Due to partial or complete lack of data the classification is not possible.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity** Due to partial or complete lack of data the classification is not possible.

<b>Specific target organ toxicity - single exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to partial or complete lack of data the classification is not possible.

## 12. Ecological information

<b>Ecotoxicity</b>	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.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

<b>UN number</b>	UN3265
<b>UN proper shipping name</b>	Corrosive liquid, acidic, organic, n.o.s. (Citric Acid)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	8
<b>Packing group</b>	III
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB3, T7, TP1, TP28
<b>Packaging exceptions</b>	154
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	241

### IATA

<b>UN number</b>	UN3265
<b>UN proper shipping name</b>	Corrosive liquid, acidic, organic, n.o.s. (Citric Acid)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	8L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

### IMDG

<b>UN number</b>	UN3265
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**UN proper shipping name** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Citric Acid)

**Transport hazard class(es)**

**Class** 8

**Subsidiary risk** -

**Packing group** III

**Environmental hazards**

**Marine pollutant** No.

**EmS** F-A, S-B

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**DOT**



**IATA; IMDG**



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Toxic Substances Control Act (TSCA)

All components of the mixture on the TSCA 8(b) inventory are designated "active".

#### 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 listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Skin corrosion or irritation  
Serious eye damage or eye irritation

#### 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****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (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](http://www.P65Warnings.ca.gov).

**International Inventories**

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

\*A "Yes" indicates that all components of this product comply 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**

<b>Issue date</b>	03-18-2014
<b>Revision date</b>	03-11-2019
<b>Version #</b>	07
<b>HMIS® ratings</b>	Health: 3 Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 3 Flammability: 0 Instability: 0
<b>Disclaimer</b>	The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Harcros Chemicals Inc., provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcros Chemicals Inc., knows of no medical condition, other than those noted on this Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.
<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.

## 1. Identification

**Product identifier** Sodium Bisulfite 40%

**Other means of identification**  
**SDS Number** 322014-03

**Recommended use** Processing aid for industrial applications.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Harcros Chemicals Inc

**Address** 5200 Speaker Rd.  
Kansas City, KS 66106  
United States

**Main Telephone Number** 1-913-321-3131

**Website** www.harcros.com

**E-mail** custserv@harcros.com

**Emergency #: CHEMTREC** 1-800-424-9300

**Emergency #: CHEMTREC** 1-703-741-5970 (International Number - Call collect)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards**

Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Harmful if swallowed. Causes skin irritation. Causes serious eye damage.

### Precautionary statement

#### Prevention

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection. Wear protective gloves.

#### Response

If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

#### Storage

Store away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in accordance with local/regional/national/international regulations.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

31.5% of the mixture consists of component(s) of unknown acute dermal toxicity. 31.5% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 31.5% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium Bisulfite		7631-90-5	38 - 42
Other components below reportable levels			58 - 62

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is miscible in water.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium Bisulfite (CAS 7631-90-5)	TWA	5 mg/m3

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium Bisulfite (CAS 7631-90-5)	TWA	5 mg/m3

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles) and a face shield.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Keep away from food and drink. 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

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless to Pale Yellow
<b>Odor</b>	Pungent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	3.5 - 5
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	217.4 °F (103 °C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	<= 32 mm Hg @ 25°C
<b>Vapor density</b>	> 1

<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Dilutable.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Flash point class</b>	Non-flammable.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	1.31 - 1.38 @ 25°C

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
<b>Incompatible materials</b>	Oxidizing agents.
<b>Hazardous decomposition products</b>	Sulfur oxides. Toxic fumes.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

### Information on toxicological effects

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.

### Respiratory or skin sensitization

<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	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** Not classifiable as to carcinogenicity to humans.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Sodium Bisulfite (CAS 7631-90-5) 3 Not classifiable as to carcinogenicity to humans.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**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** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 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.

Product	Species	Test Results
Sodium Bisulfite 40%		
<b>Aquatic</b>		
Fish	LC50	Fish 806.7102 mg/l, 96 hours estimated
Components	Species	Test Results
Sodium Bisulfite (CAS 7631-90-5)		
<b>Aquatic</b>		
Fish	LC50	Western mosquitofish (Gambusia affinis) 240 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**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** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]  
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** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

**UN number** UN2693

**UN proper shipping name** Bisulfites, aqueous solutions, n.o.s. (Sodium Bisulfite)

**Transport hazard class(es)**

**Class** 8

**Subsidiary risk** -

**Label(s)** 8

**Packing group** III

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Special provisions** IB3, T7, TP1, TP28

**Packaging exceptions** 154

**Packaging non bulk** 203

**Packaging bulk** 241

Reportable Quantity for Sodium Bisulfite = 5000 lbs.

### IATA

**UN number** UN2693

**UN proper shipping name** Bisulphites, aqueous solution, n.o.s. (Sodium Bisulfite)

**Transport hazard class(es)**

**Class** 8

**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** No.  
**ERG Code** 8L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** UN2693  
**UN proper shipping name** BISULPHITES, AQUEOUS SOLUTION, N.O.S. (Sodium Bisulfite)  
**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-A, S-B  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**DOT**



**IATA; IMDG**



**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** All components of the mixture on the TSCA 8(b) inventory are designated "active".

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Sodium Bisulfite (CAS 7631-90-5) Listed.

**SARA 304 Emergency release notification**  
Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**  
Not regulated.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation

### 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

### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (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](http://www.P65Warnings.ca.gov).

## International Inventories

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

\*A "Yes" indicates that all components of this product comply 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

<b>Issue date</b>	05-18-2015
<b>Revision date</b>	02-18-2019
<b>Version #</b>	05
<b>HMIS® ratings</b>	Health: 3 Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 3 Flammability: 0 Instability: 0

**Disclaimer**

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Harcros Chemicals Inc., provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcros Chemicals Inc., knows of no medical condition, other than those noted on this Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.



## ALUMINUM SULFATE SOLUTION – COMMERCIAL GRADE

### Sales Specification

<u>Property</u>	<u>Minimum</u>	<u>Maximum</u>
* Al <sub>2</sub> O <sub>3</sub> , % by wt	8.12	8.39
* Baumé @ 60°F	35.5	36.5
Iron, as Fe, ppm		2450
Turbidity, NTU		40
		<u>Typical</u>
pH, 1% solution, wt/wt		3.6
Conc. % dry Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> • 14H <sub>2</sub> O		48.3
Conc. lbs dry alum, 17% Al <sub>2</sub> O <sub>3</sub> per gal		5.36
Density, lbs/gal @ 60°F		11.09
Freezing point, °F		5
* Certificate of Analysis Properties		

Aluminum Sulfate Solution – Commercial Grade manufactured by Southern Ionics is a clear, colorless to amber liquid.

Complies with AMERICAN WATER WORKS ASSOCIATION specification B403-09 and is NSF/ANSI 60 Certified. Maximum use in potable water is 150 mg/L.

Southern Ionics may accommodate other customer needs upon request.

For information on safety and handling, consult the Safety Data Sheet (SDS) for Aluminum Sulfate Solution available at [www.southernionics.com](http://www.southernionics.com) or by contacting Southern Ionics Customer Service at 1-800-953-3585.

**SII** SOUTHERN IONICS INCORPORATED  
Creative Solutions Today

P.O. Box 1217 / 579 Commerce Street  
West Point, MS 39773

**To Place an Order or For Inquiries:**  
Tel: 800-953-3585 / Fax: 800-953-3588  
Email: [sii\\_custserv@southernionics.com](mailto:sii_custserv@southernionics.com)

Website: [www.southernionics.com](http://www.southernionics.com)

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**GENERAL INFORMATION**

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**CERTIFICATIONS**

**SERVICE DISABLED  
 VETERAN-OWNED  
 SMALL BUSINESS**



Hire Houston First



**NAICS CODES**

5110	Petrochemical Manufacturing
5120	Industrial Gas Manufacturing
5130	Synthetic Dye and Pigment Manufacturing
5193	Ethyl Alcohol Manufacturing
5194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
1380	Testing Laboratories
5180	Other Basic Inorganic Chemical Manufacturing
4110	Waxes, petroleum, made in petroleum refineries
5199	All Other Basic Organic Chemical Manufacturing
5320	Pesticide and Other Agricultural Chemical Manufacturing
5510	Paint and Coating Manufacturing
5998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
5612	Polish and Other Sanitation Good Manufacturing
5211	Plastics Material and Resin Manufacturing
4690	Other Chemical and Allied Products Merchant Wholesalers
6220	Commercial & Institutional Building Construction
6210	Industrial Building Construction

**CONTACT INFORMATION**

Address: 8911 Tami Renee Lane

**CAPABILITIES STATEMENT**

**COMPANY OVERVIEW**

The Colonna Group leverages deep knowledge of government contracting practices, experience with commercial chemical contracts, and the background with technical industry knowledge to safely, timely, & accurately provide both hazardous, & non-hazardous specialty chemical materials to public entities.

The Colonna Group Commercial Construction team is a sophisticated mid-size General Contracting & Construction Management group focused on pre-construction planning, renovation projects, and full-service design to move-in management of new buildings.

**CORE MATERIAL SOURCING CAPABILITIES**

- Strategic Materials
- Oilfield Chemicals
- Water and Wastewater Treatment Chemicals
- Organic/Inorganic Chemicals
- Coolants/Glycols
- Petrochemicals
- Synthetic Dyes
- Waxes & Petroleum
- Pesticide and Agricultural Chemicals
- Paints and Coatings
- Fuels and Lubricants
- Paints and Adhesives
- Sanitation Goods
- Plastics Material
- Specialty Chemical Merchant Wholesaling

**SERVICES OFFERED**

**Chemicals Vertical**

- Material Strategy Development
- Global Resource Marshalling
- Logistics and Freight Forwarding
- Supply Chain Management Services
- Environmental Health and Safety Consulting
- Effective Mobilization and Coordination
- Strategic Planning

**Commercial and Industrial (C&I) Construction Vertical**

- General Contracting & Project Management
- Commercial and Institutional Construction
- Industrial Building Construction
- Complete Project Scheduling
- Design Build/Assist Solutions & Delivery
- Pre-Construction Planning

**DIFFERENTIATORS**

The Colonna Group was formed in 2020 by Combat Veterans. TCG is a registered Service Disabled, minority owned, small business that specializes in Commercial & Industrial Construction, the procurement of hazardous and nonhazardous specialty chemicals, strategic materials, and organic/non-organic materials.