

REQUEST FOR BIDS

**CITRIC ACID
Water Division**

**CITY OF RAPID CITY
RAPID CITY, SOUTH DAKOTA**

**April 9, 2013
2:00 P.M.**

**SAM KOOIKER
MAYOR**

COUNCIL MEMBERS

**Bill Clayton
Steve Laurenti
Chad Lewis
Amanda Scott
Bonny Petersen**

**Charity Doyle
Ritchie Nordstrom
Jerry Wright
John Roberts
Ron Sasso**

**TERRY WOLTERSTORFF
DIRECTOR OF PUBLIC WORKS**

**JOHN WAGNER
WATER DIVISION SUPERINTENDENT**

**SPECIFICATIONS FOR
CITRIC ACID
Rapid City, South Dakota**

Bids will be received at the Rapid City Finance Office, 300 Sixth Street, Rapid City, South Dakota on April 9, 2013 until 2:00 P.M. for furnishing CITRIC ACID which shall meet the following specifications:

SCOPE

It is the intent of these specifications to describe CITRIC ACID in sufficient detail to secure bids on comparable CITRIC ACID. All parts not specifically mentioned, which are necessary in order to provide CITRIC ACID shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided the trade in general.

The City's intent is to obtain a reasonable bid from all qualified bidders. If for any reason bidders are unable to meet or equal the following specifications, the City will receive for consideration minor deviations of specifications. Deviations and variations of specifications must be fully detailed and explained by the bidder on the form provided and stapled to the BIDDER'S PROPOSAL.

All bids must be accompanied by literature completely describing the CITRIC ACID to be furnished. Each bidder must be a certified dealer authorized by the manufacturer he represents. Each bid shall contain a dealer and/or factory warranty as a guarantee of the product to be furnished. The guarantee shall be stated in the descriptive literature or by a letter.

GENERAL CONDITIONS

1) Bidders Information

Each bid envelope shall contain **ONLY ONE** (1) Bid Proposal and shall be marked with the words "**Sealed Bid – CITRIC ACID**".

Each bid must be accompanied by a certified check or cashier's check for One Hundred Dollars (\$100), such check to be certified or issued by either a State or National Bank and payable to the City of Rapid City, South Dakota, or in lieu thereof, a Two Hundred Dollar (\$200) bid bond, such bond to be issued by a surety authorized to do business in this State, payable to the City of Rapid City, Rapid City, South Dakota, as a guarantee of the bidder entering into a contract, for the supplying of CITRIC ACID for the City of Rapid City. After this has been accomplished, the bidder's check or bid bond will be returned; the checks or bonds of all the unsuccessful bidders will be returned within thirty (30) days after the bids have been opened.

Bids submitted by mail, express courier, or common carrier cannot be accepted unless received in the City Finance Office prior to the time for the scheduled bid opening. Bids submitted by telefax cannot be accepted.

Each bid envelope shall contain the entire set of specifications and a completed "ARTICLE 5 CONTRACT DOCUMENT" upon submittal of the bid. Incomplete bids will be rejected.

To the extent provided by statute, preference will be given to materials, products, and supplies found or produced within the State of South Dakota. (SDCL Chapter 5-18A.)

The City reserves the right to reject all bids and unless all bids presented are rejected, the lowest responsible bid, in all cases, will be accepted. In case the low bid is not responsible or the bid is not made in accordance with the requirements of SDCL Chapters 5-18A through 5-18D or the low bid is withdrawn, the bid of the next lowest responsible bidder may be accepted; however, to the extent allowed by law the City reserves the right to accept the bid that is to the advantage of and is in the best interest of the City of Rapid City.

Payment for the CITRIC ACID will be made BY CHECK, within a reasonable time after receipt and approval of the CITRIC ACID and approval by the Common Council.

The unit price of the bid must be stated on the Bidder's Proposal form, along with the extended price bid. Unit price shall take precedence over extended price; written figures shall take precedence over numerical figures.

The CITRIC ACID shall be delivered F.O.B., Jackson Springs Water Treatment Plant, 5200 Cleghorn Canyon Rd., Rapid City, South Dakota.

The quantities shown in the proposal are approximate for 2013. It shall be understood that the City of Rapid City reserves the right to purchase more or less than the specified amounts as it deems expedient. Purchases made by the City of Rapid City are subject to available funding. If the Rapid City Council fails to approve additional funding for this purchase in the 2013 budget, the City of Rapid City will not be obligated to purchase any additional CITRIC ACID.

Bids and quotations shall be for the period starting April 16, 2013, and ending approximately one year later and shall show net delivered prices without State or Federal taxes. The City of Rapid City requires firm bids from all bidders. The City reserves the right to reject any bid not stating a firm price as not responsive.

All prices shall be F.O.B., Rapid City South Dakota to the Jackson Springs Water Treatment Plant.

2) Rejection

If the material does not meet the requirements of these specifications, notice shall be given to the vendor within thirty (30) days after the receipt of the CITRIC ACID. In this event, payment shall be withheld, and the vendor shall remove the product from the City premises and shall replace it with a like amount of acceptable CITRIC ACID.

3) Contract Extension

The City of Rapid City annually reserves the option of extending the 2013 contract through the calendar years of 2014, 2015 and 2016. The extension option may be exercised if agreed to by both parties.

Detailed Specifications Citric Acid

GENERAL

Each bid shall be accompanied by an affidavit from the vendor that will furnish the citric acid that indicates that the citric acid complies with all requirements of the specifications.

1. Product Specifications

The citric acid supplied shall be furnished in concentrations of 50%.

2. Standards:

- a. Citric acid shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals—Health Effects.

3. Quantities and Delivery

Citric acid shall be delivered to the following locations:

Jackson Springs Water Treatment Plant
5200 Cleghorn Canyon Rd
Rapid City, SD

The Jackson Spring Water Treatment Facility has one XLPE storage tanks for accepting citric acid with a useable volume of 545 gallons.

- a. Bidder shall supply the volume of their standard tank truck on the bid form.
- b. The anticipated usage for the initial term of the contract is approximately 540 gallons of citric acid per year. Rapid City retains the option to increase or decrease the quantity purchased based upon actual usage.
- c. The successful bidder shall be able to deliver within 48 hours of notification.
- d. Delivery procedures shall comply with current federal, state, and local regulations.
 - i. Tank trucks used for the delivery of the citric acid shall be fully equipped to unload by pressurizing the tanks with air and shall be equipped with valves to control the flow of sodium hypochlorite into the storage tank and to enable rapid shut-off if an emergency arises.
 - ii. Tank truck hoses shall be equipped to connect to the WTF citric acid tank fill line 1" PVC quick connect.

BIDDER'S PROPOSAL

NAME OF BIDDER: Hawkins Water Treatment Group

ADDRESS: 11810 Sturgis Rd., Black Hawk, SD 57718

PHONE NO.: (605) 787-6881 FAX NO.: (605) 787-6881

E-mail address: al.hansen@hawkinsinc.com

Bidder proposes and agrees to and with the City of Rapid City, South Dakota ("City") to furnish CITRIC ACID at the following price, to-wit:

DESCRIPTION	Quantity	UNIT PRICE (numerical)	EXTENDED PRICE (numerical)
CITRIC ACID delivered as per specifications (Per Gal)	540	\$ <u>10.50 gal.</u>	\$ <u>5,670.00</u>

Five thousand-six hundred seventy hundred dollars
(Extended Price in Words)

The within proposal and agreement are based upon the conditions, stipulations, and specifications named in the notice inviting bids for said CITRIC ACID, which notice and detailed specifications are made a part of this contract as if written herein at length. The CITRIC ACID shall be delivered F.O.B., Jackson Springs Water Treatment Plant, Rapid City, SD 57702 within 14 calendar days (to be filled in by Bidder) after date of awarding contract.

The Bidder further agrees and states that he has read the notice calling for bids and has studied the detailed specifications and that he is familiar with the terms and conditions stipulated therein and agrees to enter into attached Contract.

Hawkins Water Treatment Group
NAME OF COMPANY - BIDDER

Al Hansen
AUTHORIZED SIGNATURE

Al Hansen-Branch Manager
Print Name & Title

11810 Sturgis Rd., Black Hawk, SD 57718
Address

4/9/13
Date

BIDDER MUST FILL IN ALL SPACES PROVIDED ABOVE

**CONTRACT FOR
SUPPLIES AND EQUIPMENT
BETWEEN
SUPPLIER AND CITY OF RAPID CITY**

THIS AGREEMENT, made the 15th day of April, 2013, by and between Hawkins Water Treatment Group hereinafter "Supplier," and the City of Rapid City, South Dakota, hereinafter "City," WITNESSETH:

That the Supplier and the City, for the consideration named, agree as follows:

ARTICLE 1. SCOPE OF WORK

The Supplier shall furnish all of the materials, labor and perform all of the work as described in the specifications for Supplies and Equipment entitled CITRIC ACID prepared by the Public Works Department, Rapid City, South Dakota, and shall do everything required by this Contract, General Conditions, Special Conditions, and Detailed Specifications, which are hereby made a part of this Contract, including the following Addenda.

Addendum No.

Dated

ARTICLE 2. TIME OF COMPLETION

The furnishing or ordering of materials, supplies, and equipment under this Contract shall be commenced as soon as possible within the time stated in the specifications unless the specifications expressly provide for a one time delivery, it is agreed that the City may place orders under this Contract at any time or times within the Contract period. Failure to meet the terms of the Contract on or before the completion date may result in forfeiture of the Performance Bond or deposit, if any; and shall be deemed a breach of this Contract. Request for time extensions shall be made in writing to the Water Division at least fourteen (14) days before the Contract completion date. All time extensions will be issued by the City through the Public Works Department.

ARTICLE 3. THE CONTRACT SUM

The City shall pay the Supplier for the performance of the Contract, subject to additions and deductions provided therein, in current funds as follows:

Five Thousand Six Hundred Seventy Dollars (\$ 5,670.00)

ARTICLE 4. ACCEPTANCE AND FINAL PAYMENT

Upon delivery of any items under this Contract, the Individual or Department specified in Article 2 for making time extensions shall satisfy himself by examination that the furnishing of supplies and equipment has been finally and fully completed in accordance with the Specifications and Contract, and shall make up the appropriate purchase order. The Supplier must complete and return a proper City voucher and payment will be made on said voucher as soon as possible after approval by the Common Council.

ARTICLE 5. THE CONTRACT DOCUMENTS

The Notice for Bids, General Conditions, Special Conditions, Addendum, Specifications, and the Bidder's Proposal together with this Agreement, form the Contract, and all are as fully a part of the Contract as if herein setforth at length.

The Supplier further agrees and states that he has read the advertisement calling for bids and has studied the detailed specifications and that he is familiar with the terms and conditions stipulated therein.

IN WITNESS WHEREOF: The City of Rapid, South Dakota, its Council having duly approved this Contract, has caused this Contract to be executed in its behalf by its Mayor, hereunto duly authorized, attested thereto by its Finance Officer, and has hereto attached its corporate seal this 15 day of April, 2013.

If you have any concerns regarding the provision of services or employment on the basis of disability/handicap you may contact our ADA/Section 504 coordinator, ADA Coordinator, Mayor's Office, 300 6th Street, Rapid City, South Dakota 57701 605-394-4110.

THE CITY OF RAPID CITY, SOUTH DAKOTA

ATTEST:

by *[Signature]*
MAYOR

[Signature]
City Finance Officer

Date 4-15-13

(SEAL)

Hawkins Water Treatment Group
NAME OF COMPANY

by *[Signature]*
AUTHORIZED SIGNATURE

Al Hansen-Branch Manager
Print Name & Title

11810 Sturgis Rd., Black Hawk, SD 57718
Address

Date 4/9/13



HAWKINS, INC.

PRODUCT SPECIFICATIONS

Citric Acid 50%, FCC

Meets Requirements of Food Chemical Codex VI

FORMULA: $C_6H_8O_7$

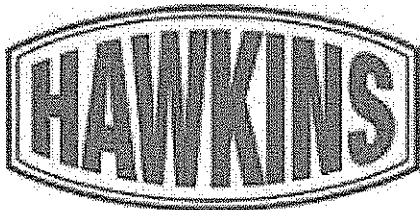
Molecular Wt. 192.13

SPECIFICATIONS

Assay, wt %	49.0 – 51.0%
Tridodecylamine (anhydrous basis)	0.1 ppm max.
Heavy Metals, as Pb (anhydrous basis)	5.0 ppm max.
Residue on ignition (anhydrous basis)	0.05% max.
Lead (anhydrous basis)	0.5 ppm max.
Readily carbonizable substances	Passes test
Oxalate	Complies

PHYSICAL PROPERTIES

Specific Gravity	1.239 - 1.246 at 20 °C
------------------	------------------------



SAFETY DATA SHEET

Version 1

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: Citric Acid 50% FCC
Synonyms: Citric acid
Formula: $H_3C_6H_5O_7 \cdot H_2O$
Molecular Weight: 210.14

Company Name:

Hawkins, Inc. 3100 E. Hennepin Avenue Minneapolis, MN 55413 (612-331-6910)

Emergency Telephone:

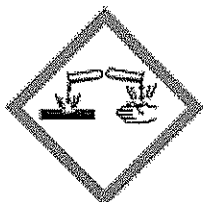
CHEMTREC (US): 1-800-424-9300

2. Hazards Identification

GHS - Classification

Serious eye damage/eye irritation

Category 1



Signal Word:

Danger

Hazard Statements:

- Causes serious eye damage

Physical Hazards

- None

Precautionary Statements:

- P312 - Call a POISON CENTER or doctor if you feel unwell
- P332 + P313 - If skin irritation occurs: Get medical advice/attention
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/physician

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Citric acid	77-92-9	50	201-069-1

4. First Aid Measures

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting.

Note to Physicians: Treat symptomatically.

Self-protection of the First Aider: Use personal protective equipment as required.

5. Fire-fighting Measures

Flammable Properties:
Not considered to be a fire hazard

Explosive Properties:
Not considered to be an explosion hazard

Suitable Extinguishing Media:
Water spray (fog); Dry chemical; Alcohol resistant foam; Carbon dioxide (CO₂)

Unsuitable Extinguishing Media:
No information available

Protective Equipment and Precautions for Firefighters:
In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment as required. Avoid contact with eyes and skin.

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

Other Information: Not applicable.

7. Handling and Storage

Advice on Safe Handling: Use only with adequate ventilation. Use personal protective equipment as required.

Storage Conditions: Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials: Metal nitrates (potentially explosive reaction), strong oxidizers, alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys

8. Exposure Controls / Personal Protection

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment (PPE)

Eye/Face Protection: Tight sealing safety goggles.
Body Protection: Suitable protective clothing.

General Hygiene Considerations:
 When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid	Odor:	Odorless
Appearance:	Clear, slight yellow liquid	Odor Threshold:	No information available
Color:	Colorless to yellowish		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:		
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:	-7 °C / 19 °F	
Boiling Point/Boiling Range:		No information available
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		
Lower Flammability Limit:		
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H ₂ O=1):		No information available
Specific Gravity (2nd value):		No information available
Water Solubility:		No information available
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	Not considered to be an explosion hazard	

9.2. Other information

Softening Point:	No information available
Molecular Weight:	210.14
VOC Content(%):	No information available
Density:	1.23-1.26
Bulk Density:	No information available

10. Stability and Reactivity

Stability:	Stable under normal conditions of use and storage
Conditions to Avoid:	Heat, flames and sparks; Ignition sources; Incompatibles
Incompatible Materials:	Metal nitrates (potentially explosive reaction), strong oxidizers, alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys
Hazardous Decomposition Products:	Carbon dioxide (CO ₂); Carbon monoxide
Possibility of Hazardous Reactions:	None under normal processing

11. Toxicological Information

Product Information

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

Chemical Name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Citric acid	3000 mg/kg (Rat)		

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

12. Ecological Information

Ecotoxicity

50% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citric acid		1516: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	120: 72 h <i>Daphnia magna</i> mg/L EC50

Ceriodaphnia dubia Acute Toxicity Evaluation: Citric Acid 50%: 48-hour NOEC: 250 ppm; 48-hour LOEC: 500 ppm; 48-hour LC50: 329.88 ppm (299.82-362.95 ppm)

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Chemical Name	Partition Coefficient:
Citric acid	-1.72

13. Disposal Considerations

Waste from Residues/Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations

14. Transport Information

DOT

Description Not DOT Regulated

15. Regulatory Information

International Inventories

All of the components in the product are on the following inventory lists: TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), ENCS (Japan);, Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

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

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Citric acid	Listed	Listed	Listed	-	Listed	-	(2)-1318	Listed	KE-20831	Present

Inventory Legend

- AICS - Australian Inventory of Chemical Substances
- 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

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

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

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

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

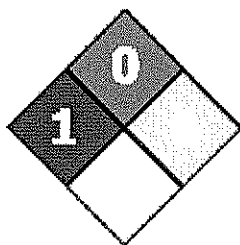
U.S. State Right-to-Know Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals

16. Other Information

National Fire Protection Association (NFPA) Ratings



Kosher Certification



Prepared By: HSE Department
Issue Date: 04-Apr-2013
Revision Date: 04-Apr-2013
Revision Note: MSDS converted to GHS SDS Format.

Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. 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 presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the consumer. No suggestions are intended as, and should not be constructed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.

End of Safety Data Sheet

