

Univar Solutions USA, LLC.  
8201 S. 212th  
Kent, WA 98032-1994  
USA

T 253-872-5040  
F 253-572-5041  
www.univarsolutions.com



February 13, 2026

Bay Area Clean Water Agencies

RE: Bid for Citric Acid, BACC Bid No. 05-2026

To Whom it may concern:

Univar Solutions USA, LLC. is pleased to offer a price quote on your ITB due Thursday, February 19, 2026, and has done so on the attached required paperwork.

Our contact information for all things bid and contract related, as well as the information for your local branch, is also attached.

We look forward to hearing the results of your request – we have included a self-addressed, stamped envelope for the bid tabulations.

Thank you,

*Jennifer Perras*

Sr. Municipal Bid Specialist  
Western Region  
Univar Solutions USA, LLC.  
[Muniteam-west@univarsolutions.com](mailto:Muniteam-west@univarsolutions.com)  
[Jennifer.Perras@univarsolutions.com](mailto:Jennifer.Perras@univarsolutions.com)  
[www.univarsolutions.com](http://www.univarsolutions.com)

**Please Note:** Where applicable, any State, Federal or other appropriate taxes and/or the California Mill Assessment will appear as separate line items on any invoices from Univar. If Univar's offer (pricing) was inclusive of these charges – they will be backed out of the "product" line item and shown as their own line item(s) at the time of billing.

**Please Note:** Cooperative Purchasing/Contract Piggy-Back Clauses: Unless otherwise checked "yes" within the attached offer, it is Univar's standard policy NOT to agree to/participate in Cooperative Purchasing but rather to work with each individual agency and reach a pricing agreement that is based on their needs and is advantageous for both parties. Unless otherwise noted within the attached offer – pricing within is only applicable for the locations (and any potential locations) listed within these bid documents.



**CERTIFICATE OF SECRETARY**

I, Jumoke Onibokun, hereby certify that:

1. I am the duly elected, qualified and acting Assistant Secretary of Univar Solutions USA LLC, a Washington Limited Liability Company (the "Company"), and am a custodian of the corporate records of the Company and am familiar with the matters herein certified.
2. The below list of persons are authorized to execute, for and on behalf of the Company, written municipal bids or municipal proposals for the sale of other disposition of products up to \$2.5 million handled by the Company.

- Shawnasey McCarthy- Municipal Commercial Manager
- Victoria Meakim - Municipal Specialist
- Roise Holiday-Henry- Municipal Specialist
- Jennifer Perras – Sr. Municipal Specialist
- Shelley Riggle - Municipal Specialist
- Stacy Ziegler- Municipal Specialist
- Raven Claudio - Municipal Specialist
- Ileana Caballero – Municipal Specialist

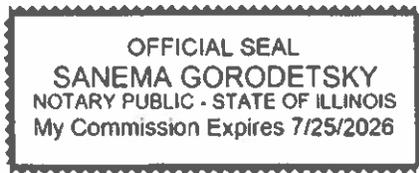
IN WITNESS WHEREOF, I have executed this Certificate of Secretary of the Company this 3<sup>rd</sup> day of November 2025.

Signed by:  
  
 \_\_\_\_\_  
 Jumoke Onibokun, Assistant Secretary

State of Illinois        )  
   )  
 County of DuPage     )

This Certificate of Secretary was signed and sworn before me on this 3<sup>rd</sup> day of November 2025 by Jumoke Onibokun, Assistant Secretary of Univar Solutions USA LLC.

Seal



DocuSigned by  
  
 \_\_\_\_\_  
 E63185C32E35401  
 Sanema Gorodetsky  
 Notary Public  
 My commission expires July 25, 2026

Univar Solutions USA LLC.  
2461 Crocker Circle  
Fairfield, CA 94533



T 408-435-8700  
F 408-435-1735  
800-659-5908  
[www.univarsolutions.com](http://www.univarsolutions.com)

## GENERAL INFORMATION

### Regular Office Hours during which orders may be placed:

Monday – Friday 7:00 am – 5:00 pm (PST)

### In case of an emergency during non-business hours:

For Non-Chemical Emergencies:

**1-833-Univar-1** (1-833-864-8271) / [CustSol-Energy@Univarsolutions.com](mailto:CustSol-Energy@Univarsolutions.com)

After-hours emergency – 24-hour response: Jennifer Bernhard – (650) 216-8909 (cell)  
Brian Wills – (650) 670-7267 (cell)  
Lorena Amezcua – (323) 219-5506 (cell)  
Manuel Jimenez – (323) 558-2732 (cell)

For Chemical Related Emergencies: ChemTrec: (800) 424-9300

### Names, telephone/FAX numbers of those responsible for taking orders and initiating delivery:

Office Phone: (855) 785-9499  
Office Fax: (408) 435-1735  
Customer Service: (855) 785-9499 [Custsvc-la@univarsolutions.com](mailto:Custsvc-la@univarsolutions.com) \*\*\*NEW EMAIL\*\*\*  
(480) 573-4707

### For anything pertaining to bids:

Please send all bid packets/documents to:  
(Unless otherwise specified)

Univar Solutions USA LLC.  
Attn: WER Muni Team  
8201 S. 212<sup>th</sup>  
Kent, WA 98032-1994

Contacts: [muniteam-west@univarsolutions.com](mailto:muniteam-west@univarsolutions.com)

Jennifer Perras  
Sr. Municipal Specialist  
Phone: (253) 872-5040  
Fax: (253) 872-5041  
[Jennifer.perras@univarsolutions.com](mailto:Jennifer.perras@univarsolutions.com)

Roise Holiday  
Municipal Specialist  
(253) 872-5068  
(253) 872-5041  
[Roise.Holiday@univarsolutions.com](mailto:Roise.Holiday@univarsolutions.com)

Stacy Ziegler  
Municipal Specialist  
(253) 872-5023  
(253) 872-5041  
[Stacy.ziegler@univarsolutions.com](mailto:Stacy.ziegler@univarsolutions.com)

Shawnasey McCarthy  
Municipal Business Manager  
(253)872-5052  
(253) 872-5041  
[Shawnasey.mccarthy@univarsolutions.com](mailto:Shawnasey.mccarthy@univarsolutions.com)

**Remittance Address:**

Univar Solutions USA LLC.  
62190 Collections Center Drive  
Chicago, IL 60693-0621  
Please include remit information

**Standard Payment Terms:**

Net 30 days

## Mission Statement

*Univar sets out to be the preferred quality partner for the distribution of chemicals and services. We combine economic success with social and environmental responsibility.*

## Vision Statement

*Be the benchmark of excellence.*

## Quality Policy

*Univar USA Inc. is committed to the success of our customers and supplier/partners by providing value-added products and services that consistently meet requirements. In the spirit of innovation, management encourages full employee participation in the continuous review and improvement of Univar's business processes and its total quality process.*

## Statement of Core Values

- *Safety: Safety is the first priority, the most important aspect of our work.*
- *Continuous Improvement: We will improve results for all our stakeholders by doing the right things better every time.*
- *Employees: We respect and value every employee and are committed to support and develop each other personally and professionally.*
- *Environment: We are committed to protecting the health and well being of our employees, our customers, the community and the environment.*
- *Ethics: We treat every individual in our business and personal practices ethically with integrity and honesty.*
- *Leadership: Each of us strives to lead and motivate by example and consistently live up to these core values. We coach, train, develop and empower employees to reach their full potential.*



**Univar Solutions USA Inc.  
Supplier Information  
Company Overview**

Univar is a leading global distributor of industrial and specialty chemicals, with an extensive network of over 260 distribution facilities in North America, Europe, the Asia-Pacific region, and Latin America, and additional sales offices in Eastern Europe, the Middle East, and Africa.

We serve over 115,000 customers in more than 115 countries, representing nearly every major industry and a highly diverse set of end markets.

We source chemicals from more than 3,500 producers, including the premier global chemical manufacturers, and distribute more than 4,500 chemical products in over 110,000 stock keeping units.

In addition to our vast product offering, we provide important value-added services for our customers and suppliers, including:

- Product availability and inventory management
- Product specification and technical expertise
- Blending and mixing
- Repackaging and labeling
- Just-in-time delivery
- Vendor rationalization programs
- Waste management

Our scale, geographic reach, diversified distribution channels, industry expertise, and comprehensive product portfolio enable us to develop strong, long-term relationships with our suppliers and to provide a single-source solution for our customers.

As a world leader in chemical distribution, Univar is committed to being a responsible corporate citizen with a global focus on safety, health, the environment, and sustainability.



## Univar Solutions USA Inc. Quality Assurance Statement

Univar USA Inc. ("Univar") offers this statement in regards to those quality measures it takes to provide quality products to you, its customer.

- Univar provides products that meet the manufacturer's specifications.
- Univar retains packaging samples and quality-related documents in accordance with its record retention program, which specifically calls for the retention of FDA regulated samples, and quality-related documents for three (3) years and EP samples and quality-related documents for six (6) years.
- Under Univar's Management of Change process, Univar forwards notices from a product's manufacturer related to ingredients, changes in processing sites, and manufacturing processes in a timely manner.
- Univar has a formalized recall process and provides notice of any known recalls or other matters that come to its attention that may directly or indirectly impact a product.
- Univar's quality control, employee training, and Safety, Health & Environmental programs meet industry standards.
- Univar develops, and maintains operational plans to meet, all federal, state, and local laws, rules, and regulations related to the packaging, storing, and distribution of products.
- Univar has facilities in the U.S. that are ISO 9001:2008 registered, including Univar's corporate office.
- Univar's facilities that handle FDA regulated product meet FDA cGMP standards.
- Univar's computer systems maintain various security controls to ensure proper management of information.

For food grade and pharmaceutical grade products:

- Univar treats FDA products under cGMP standards.
- Univar maintains strict laboratory controls, including Out of Specification ("OOS").
- Univar has a formal complaint process for all FDA regulated products.
- Univar performs bi-annual audits on its food grade packaging facilities to ensure quality and safety.
- Univar FDA packaging facilities and processes meet 21 CFR Part 210.
- Univar packages, stores, and transports under cGMP standards.
- Univar provides a Certificate of Analysis ("COA") with each shipment.
- Univar performs stability testing on all FDA Univar-packaged products.
- Univar maintains master files and individual batch files for all lots of FDA Univar-packaged products allowing full traceability.
- Univar assigns unique lot numbers and sequential numbers to its FDA Univar-packaged products.

Univar USA Inc



**Univar Solutions USA Inc.  
Delivery & Supply Assurance**

In the event of an emergency situation such as a hurricane or other natural disaster, Univar's municipal water and wastewater accounts are given priority service over industrial customers.

Univar USA, Inc., has 124 locations across the US with thousands of trucks, 39 million gallons of bulk storage and over 10 million square feet of warehouse storage.

- ( Our trucks are equipped with power and do not need electricity to deliver.

Our drivers are trained each year in spill control and containment, hazardous communication and modules of the Hazardous Waste Operations and Emergency Response Standard (HAZWOPER).

**BAY AREA CHEMICAL CONSORTIUM**

**REQUEST FOR BIDS**

**BID NO. 05-2026**

**FOR SUPPLY AND DELIVERY OF CITRIC ACID**

**BID DUE DATE: 4:00 P.M. PT, Thursday, February 19, 2026**

**BID OPENING DATE: 4:00 P.M. PT, Thursday, February 19, 2026**

**Coordinating Agency:  
Bay Area Clean Water Agencies**

## TABLE OF CONTENTS

	Page No.
Notice Inviting Sealed Bids	3
<b><u>Section I – General</u></b>	
1. General Provisions	5
2. Instructions to Bidders	5
3. Special Instructions to Bidders	11
4. Terms and Conditions	16
<b><u>Section II – Technical Specifications</u></b>	
1. Product Technical Specifications	20
<b><u>Section III – Participating Agencies</u></b>	
1. Estimated Annual Quantities	23
2. Delivery Details	25
3. Contact List	27
<b><u>Section IV – Bid Contract Documents</u></b>	
1. Standard Agreement	31
2. Non-Collusion Affidavit	33
3. Bid Form and Worksheet	34

**NOTICE INVITING SEALED BIDS  
FOR SUPPLY AND DELIVERY OF CITRIC ACID  
BAY AREA CHEMICAL CONSORTIUM (BACC)  
BID NO. 05-2026**

The Bay Area Chemical Consortium (BACC), a cooperative group of public agencies, is seeking competitive sealed bids for the supply and delivery of CITRIC ACID. All sealed bids to be considered for this solicitation must be received via our electronic bid platform <https://bacwa.org/about-bacc/> by **4:00 P.M. PT, Thursday, February 19, 2026**. Bids received after said date and time will not be considered under any circumstances. Bids submitted by mail or by facsimile will not be accepted. BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

For additional information or any questions concerning this bid, use the public Q&A Forum in our electronic bid system.

## **SECTION I**

**BAY AREA CHEMICAL CONSORTIUM**

**GENERAL**

**FOR BID NO. 05-2026**

**CITRIC ACID**

**BAY AREA CHEMICAL CONSORTIUM  
REQUEST FOR BIDS  
FOR SUPPLY AND DELIVERY OF CITRIC ACID  
BID NO. 05-2026**

Sealed bids will only be received electronically via our electronic bid platform <https://bacwa.org/about-bacc/> no later than 4:00 P.M. PT, Thursday February 19, 2026.

**1. GENERAL PROVISIONS**

The Bay Area Chemical Consortium (BACC) is a cooperative group of public agencies each individually established under the laws of the State of California. For this particular bid solicitation, the participating member agencies include those listed in Section III-1, Estimated Annual Quantities. These participating BACC agencies, acting collectively through their authorized agents, are seeking competitive sealed bids for the supply and delivery of CITRIC ACID.

Sealed bids will only be received electronically via our electronic bid platform <https://bacwa.org/about-bacc/> no later than 4:00 P.M. PT, Thursday February 19, 2026. Bids received after said date and time will not be considered under any circumstances.

BACC and its member agencies reserves the right to reject any and all bids and to waive informalities and immaterial irregularities or technical defects in the bids received.

If you have any questions regarding this bid, please contact the BACC Coordinators via the electronic bid platform <https://bacwa.org/about-bacc/> Q&A forum. Preliminary bid results will be available via our electronic bid platform shortly after the opening date and time.

**2. INSTRUCTIONS TO BIDDERS**

To receive consideration, bids must be made in accordance with the following instructions:

**2.1 Bid Contract Documents**

Bids must be submitted only using the forms provided in Section IV, Bid Contract Documents that includes the following: **Bid Form**, **Standard Agreement**, and **Non-Collusion Affidavit**, collectively, the bid contract documents. Bidder must submit bids price per unit of measure as specified via the electronic bid platform <https://bacwa.org/about-bacc/>. Do not submit the Worksheet. Bid prices submitted on Worksheet will NOT be accepted. All items in the bid contract documents must be filled out completely, signed and dated. The bid contract documents may be rejected if they show any omissions, alterations of form, the addition

of information not requested, a conditional bid, or irregularities of any kind. A complete bid submittal must include all of the following components of the bid contract documents:

- A completed and signed **Bid Form**, including all the attachments requested;
- A fully executed **Standard Agreement**, including references and acknowledgement of receiving any and all addenda, with any deviations duly noted;
- A fully executed **Non-collusion Affidavit**.
- The information required by Section 2.21 as referenced in the Bid Form.
- Name and address of any Third Party Hauler as required by Section 2.5 and the Bid Form, as well as the affidavit referenced in the Bid Form.

Bidder must submit bids price per unit of measure as specified via the electronic bid platform <https://bacwa.org/about-bacc/> (Line Items section).

## **2.2 Estimated Quantity**

The quantities indicated are estimates of anticipated usage for a 12-month period and are given for informational purposes only. Nothing in these estimated annual quantities must be construed as obligating any participating BACC agency to purchase specific quantities, as these quantities may vary depending on actual operating conditions and demands during the contract term. All participating BACC agencies reserve the right to purchase any volume of the chemical listed, at the contract price, regardless of stated estimates of quantities. No price adjustments will be allowed as a result of an increase or a decrease in the quantity purchased. For this particular bid solicitation, the estimated annual chemical quantity of each participating member agencies is listed in Section III-1, Estimated Annual Quantities.

## **2.3 Delivery Locations**

The participating BACC agencies are grouped according to their location by relative geographic region. The bidder must quote uniform bid prices for deliveries made to each of the distinct geographic regions. For this particular bid solicitation, the distinct geographic regions for each agency are defined in Section III-1, Estimated Annual Quantities, as well as in Section III-2, Delivery Details.

## **2.4 Bid Pricing**

All bids submitted must include a base unit price, FOB destination, for the chemical for each geographic region per paragraph 2.3 Delivery Locations. Base unit price should NOT include tariffs. Bidders shall provide bid prices via the electronic bid platform <https://bacwa.org/about-bacc/> including all costs associated with providing and delivering the chemical to the agency's facility, including materials, labor, equipment, transportation, insurance, overhead, profit, and all applicable taxes except sales tax in effect at the time of delivery. Bids qualified by additional or conditional charges such CPI, escalators, fuel surcharges, or transportation charges between the supplier and the final delivery points will not be allowed.

BACC agencies that use a chemical for treating water for resale may be exempt from paying sales tax, and it will be the responsibility of each BACC agency to notify the successful bidder if some or all of their purchases will be exempt from sales tax per paragraph 3.6 Taxes.

Bids that do not include unit prices for deliveries to each region shown on the bid form will be considered irregular and, at the option of BACC and the participating BACC agencies, may be eliminated from further consideration.

Any optional item will be shown as a separate line item in the electronic bid platform <https://bacwa.org/about-bacc/> and bidders may, at their option, submit unit prices for the optional item. Bids that do not include unit prices for optional item will not be considered irregular and therefore such bids will not be rejected for that reason.

## **2.5 Bidder Qualifications**

A qualified bidder is one determined by BACC and the participating BACC agencies to meet standards of business competence, reputation, financial ability, and product quality. A responsive bidder is a firm/person who has submitted a bid that conforms in all material respects to the terms and conditions, the specifications of the chemical, and any other requirement of the bid instructions. A responsible bidder is a firm/person who has the capability in all aspects to perform full contract requirements, and who has the integrity and reliability that will assure good faith and specific performance. Bidders that intend to utilize a third-party hauling company for completing some or all of their deliveries must indicate the name and contact information of the third-party hauling company on the Bid Form. Before submitting a bid, the bidder must carefully examine and read all parts of the bid contract documents and be fully informed as to all existing conditions and limitations. It should be noted that, upon selection and approval of the successful bidder, the entire contents of the bid contract documents will become part of the full contract between the participating BACC agency and successful bidder (see paragraph 3.5 Purchase Orders / Contracts).

## **2.6 Authorized Signatory of Bid Contract Documents**

The person signing the submitted bid must be fully authorized to represent and legally bind the bidding company to the terms and conditions described herein. A corporate officer must sign bids by corporations in the corporate name. The State of incorporation must be written in below the corporate name. Bids by partnerships must be signed in the partnership's name and signed by a partner with his/her title shown.

## **2.7 References**

The bidder must submit with the bid a list of a minimum of three references that have purchased similar chemicals and services from the bidder. The bidder must provide the company or agency name, contact name, and telephone number for each reference. Whenever possible, bidders should provide references for customers from the same geographic regions as the participating BACC agencies. Bidders may provide references from BACC agencies. These references must be shown on the Standard Agreement contained herein.

## **2.8 Bid Submittal**

Electronic bids will only be received via the electronic bid platform <https://bacwa.org/about-bacc/> **by no later than 4:00 P.M. PT, Thursday, February 19, 2026**. Electronic bids shall contain all required attachments and information. Bidders must submit bids price per unit of measure as specified via the electronic bid platform <https://bacwa.org/about-bacc/> (Line Item section). Bidders are cautioned that failure to comply may result in non-acceptance of the bid. Bids received after said date and time will not be considered under any circumstances. BACC will not be responsible for any delays or transmission errors. Bidder accepts all risks of late delivery of electronic bids. It is the bidder's responsibility to ensure that bid submitted is received by the electronic bid platform <https://bacwa.org/about-bacc/> prior to scheduled bid opening. Any attachment will remain sealed and will not be opened until the appointed bid opening date and time. Bidders not receiving confirmation receipt should contact the electronic bid platform vendor <https://bacwa.org/about-bacc/> to make sure that their electronic submittal has gone through.

## **2.9 Modification, Addenda, and Interpretations**

Any explanation desired by the bidders regarding the meaning or interpretation of this particular bid solicitation including the bid contract documents must be requested via the electronic bid platform Q&A Forum at least five (5) business days prior to the time set for the bid opening. Any and all such interpretations or modifications must be in the form of a written request to the BACC Coordinator via the electronic bid platform Q&A Forum. All changes to this particular bid solicitation document including the bid contract documents initiated by the BACC Coordinator will be through written addenda and furnished to all bidders via the electronic bid platform. Addendum will be issued no later than 72 hours before bid opening. Any written addendum issued 72 hours before the date and time of the bid opening will become a part of the bid contract documents and must be acknowledged on the Standard Agreement form that each bidder submits. Failure to acknowledge any and all the addendum(s) on the Standard Agreement form may be cause for rejection of the bid.

## **2.10 Modification of Bids**

A bidder may modify their bid via the electronic bid platform prior to the date and time of the bid opening. Modifications of any bid prices, terms and conditions must be electronically submitted via the electronic bid platform prior to the time of the bid opening. It shall be the responsibility of the respective bidder to determine if their written modification was received in time by electronic bid platform. BACC reserves the right to accept or reject any proposed modifications of the bid terms and conditions.

## **2.11 Withdrawal of Bids**

Any bid may be withdrawn any time prior to the stated bid opening date and time (closing time) only via the electronic bid platform. The withdrawal request must be executed by the bidder or a duly authorized representative. The withdrawal of the bid does not prejudice the right of the bidder to file a new bid prior to the bid closing time. No bids may be withdrawn after the bid opening date and time.

### **2.12 Proposed Deviations from the Specifications by the Bidder**

Any deviation from the specifications described herein or in a written addendum that is proposed by a bidder must be noted in detail on the Standard Agreement form, and a copy of the proposed specification must be attached to the Standard Agreement form at the time of submission. The absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described herein. If proposed deviations from the specifications are submitted, the bidder's name should be clearly shown on each document. Each BACC agency will be responsible for individually accepting or rejecting any proposed deviations from the described specifications.

### **2.13 Competency of Bidders**

Before any contract is awarded, the bidder may be required to furnish a complete statement of financial ability and experience in performing the proposed services. In accordance with the provisions of the California Business and Professions Code and other regulations, the bidder must have and maintain current any and all necessary licenses or certificates.

### **2.14 Rejection of Bids**

The BACC and/or its individual agencies reserves the right to reject any and all bids and reserves the right to waive a bid deficiency or reject a bid for any reason, including but not limited to the following: informalities, nonconforming, non-responsive or conditional bids, bids showing any alterations of form or erasures or irregularities of any kind, additional information not requested, incomplete bids, or bids not conforming with the instructions in any way. Bidders that plan to utilize a third-party hauling company that refused to deliver to one or more of the participating agencies in the past three (3) years will be rejected as non-responsive.

### **2.15 Opening Bids**

A preliminary bid results showing apparent lowest bid will be available on the electronic bid platform shortly after the bid opening date / time.

### **2.16 Method of Award**

Bids may be awarded to the lowest responsive and responsible bidder meeting the specifications for bulk loads for the chemical. The lowest responsive bidder will be determined by multiplying the estimated annual quantity for each participating BACC agency by the bid price for their region and adding up the aggregate cost to all of the participating agencies in the regions. The single bid that results in the lowest overall cost to the participating agencies as a group will be determined by BACC to be the low bid, assuming the bid is determined by BACC to be complete and in compliance with the bid requirements. BACC has the right to delete terms or options from the bid contract documents and reserves the right to reject any and all bids and to waive irregularities in said bids. The following is a non-exhaustive list of criteria that BACC may, in its sole discretion, consider in award of the bid:

- a. Unit cost of the chemical
- b. Product specifications
- c. Warranties or standards of quality

- d. Capabilities to deliver product throughout the contract term
- e. Bidder's reputation, competency, and previous customer service record
- f. Third party hauling company's reputation, competency, and previous customer service record (if applicable)
- g. Fully executed non-collusion affidavit

#### **2.17 Disqualification of Duplicate or Collusive Bidders**

More than one bid proposal from an individual, a firm or partnership, a corporation or an association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one bid for the bid contemplated will cause rejection of all bids in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, any and all bids may be rejected. Bidders must execute and submit with their bid the Non-Collusion Affidavit included in the bid document.

#### **2.18 Identical Bids**

In the case of tied or identical bids corresponding to the proposed unit costs, BACC reserves the right to award the bid based on additional criteria. If a tied bid is not rejected for any reason as described in paragraph 2.16 Method of Award, then any additional costs described in the "Specific Deviations" such as short load adders, will be used to determine the lowest responsive bidder. If considering additional costs as described in the "Specific Deviations" still doesn't produce a winning bidder (i.e. if the tied bidders quote identical short load adder prices), then any exceptions or conditions described in the "Specific Deviations" will be considered in an effort to determine the lowest responsive bidder. If the latter still fails to produce a winning bidder, then BACC will draw lots by placing the names of the tied bidders in a hat and drawing a name. If drawing lots is deemed necessary, BACC will schedule a time to draw lots and the tied bidders will be invited to attend and witness the drawing.

#### **2.19 Material Warranty**

Before the bid is awarded and, if applicable, the bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all chemicals to be supplied, together with samples. The samples may be subjected to tests to determine their quality and fitness for the intended uses.

#### **2.20 Bid Summary**

Bid proposals will be summarized and reviewed with the BACC agencies following the bid opening. Bid summaries or tabulations will also be provided to the responsive bidders within ten (10) business days following the bid opening. After a careful review of the bids by each of the participating BACC agencies, bids may be awarded based on the criteria outlined in paragraph 2.16 Method of Award.

#### **2.21 Manufacturer's Information**

Bidders must submit with their bid contract documents the following:

- a. In accordance with Section 64590, Title 22 of the California Code of Regulations (CCR), no chemical or product shall be added to drinking water by a water supplier unless the chemical or product is certified as meeting the specifications of NSF International/American National Standard Institute

(NSF/ANSI) 60-2005 (Drinking Water Treatment Chemicals—Health Effects). Certification shall be from an ANSI accredited product certification organization whose certification system includes the criteria for ensuring the chemical or product meets NSF/ANSI Standard 60 per Section 64590 of the CCR. Bidders must submit an affidavit of compliance from the ANSI accredited product certification organization. Bidders must include a statement by the chemical manufacturer, signed by an authorized representative on letterhead stationery, attesting to the affidavit's validity. In lieu of submitting an affidavit of compliance and a letter attesting to the affidavit's validity, a current printout from the ANSI accredited product certification organization is acceptable.

- b. A representative analysis of the chemical to be supplied, as prepared by a reputable outside laboratory or bidder's in-house laboratory if ISO certified.
- c. Name and address of the chemical manufacturer.
- d. Product Bulletin and Typical Properties.
- e. Safety Data Sheet (SDS).

### **3. SPECIAL INSTRUCTIONS TO BIDDERS**

#### **3.1 Chemical Requirements**

The chemical to be provided under the terms and conditions of this bid must meet the bid specifications described in the pages that follow.

#### **3.2 Safety Requirements**

The bidder, their employees, subcontractors, and/or agents must conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety, and they must adhere to all State, Federal and Occupational Safety and Health Act (OSHA) safety standards, including compliance with any applicable State or local health order related to COVID-19 while they are on the premises of any BACC agency. Furnished equipment, materials, and/or services must comply with all OSHA standards and regulations, and all applicable governmental laws and orders. The BACC agencies reserve the right to individually refuse any shipment, at their sole discretion, which cannot be unloaded using safe and proper techniques. Any such refusal must result in the return of the chemical at the successful bidder's sole expense. If requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical shall submit to a safety briefing at the BACC agency's site before commencing deliveries to the respective BACC agency. The successful bidder and/or the firm providing transportation of the chemical are required to comply with the site specific safety requirements of each participating BACC agency. Bidders should be aware that some BACC agencies do not allow smoking on site. Site safety requirements will be available for review during the bid period upon request to the BACC Coordinator. In addition, if requested by a participating BACC agency, the successful bidder and/or the firm providing transportation of the chemical may be asked to review site safety materials and provide a signed acknowledgement of their receipt of the site safety materials.

### **3.3 Spillage**

The successful bidder must be prepared to provide safety training on the safe handling and use of the chemical and emergency procedures in the event of a leak or spill. Should a chemical spill or leak result due to negligence, faulty equipment, or inferior packaging on the part of the bidder or their agents, the bidder and their agents must be responsible for cleaning the spill or leakage and for bearing any cost incurred due to spill or leakage clean-up. It must be the successful bidder's responsibility to effect immediate containment, clean-up, disposal, and restoration activities in accordance with the individual facility's requirements and any and all applicable laws and regulations. All material associated with such clean-up operations must be hauled away and lawfully disposed of at no charge to the agency where the delivery is being made. The property of the agency where the delivery is being made must not be used for such disposal. If the spill is NOT cleaned up, the agency will hire a certified hazardous material handling company to clean up the spill, and the costs incurred, including any fines or penalties which may be imposed by regulating authorities, will be charged to the bidder or deducted from amounts owed. Chemicals must stay in the possession of the bidder and must not be unloaded until accepted by the participating BACC agency. All chemicals must be delivered in accordance with Department of Transportation regulations.

### **3.4 Chemical Orders**

All orders placed throughout the contract period, as defined in paragraph 4.11 Term of Contract, will be initiated separately by each participating BACC agency, and each BACC agency will be responsible for the coordination of all aspects of those orders with the successful bidder. Inquiries in reference to individual orders during the contract period must be directed to the appropriate BACC agency.

### **3.5 Purchase Orders / Contracts**

Individual purchase orders, purchase agreements, and / or contracts will be issued to the successful bidder by each participating BACC agency, and all chemical sales must be invoiced separately to the respective BACC agency. Each BACC agency may require additional contract requirements specific to the agency which are not included in this bid document and bidders need to contact the agencies for specific details and perform due diligence prior to submitting a bid. The contracted unit cost of the chemical is the awarded bid price. The successful bidder may seek a price increase for any nontrivial change requested by the participating BACC agency in the terms and conditions of the participating BACC agency's purchase order, purchase agreements, and / or contracts. The successful bidder may not change the price throughout the term of the contract unless by mutual written agreement between BACC agency and successful bidder per Section 4.4 Modification of Contract.

### **3.6 Taxes**

Pursuant to the Sales and Use Tax Law, water treatment facilities are entitled to submit *Resale Certificates* to the California State Board of Equalization which exempt that utility from paying sales tax on any chemical purchased for the expressed use of producing a consumable water product. The participating BACC agencies that provide potable and/or recycled water to customers will be responsible for providing the successful bidder with these certificates or letter documenting their determination if the chemical they seek to purchase is exempt from sales tax. BACC agencies that do not notify the successful bidder

that their agency is exempt from paying sales tax shall be invoiced with sales tax shown as a separate, itemized cost on the invoice. Chemicals purchased solely for the use in wastewater treatment and disposal facilities are subject to sales tax.

### **3.7 Delivery Requirements**

Bidders are responsible for reviewing each of the listed delivery locations or geographic regions for each participating BACC agency and ensuring that their product can be delivered to each location prior to submitting a bid. Bidders that intend to utilize the services of a third party hauling company for some or all of their deliveries are responsible for ensuring that the hauler they have selected can and will deliver their product to each location listed in Section III-2, Delivery Details, and for submitting an affidavit pertaining to assurance with their bid. Failure to provide this assurance and submit an affidavit may be cause for rejecting their bid. Delivery bills of lading must be provided for each shipment. All bulk shipments must include a weight ticket from a certified weigh station in addition to a shipping manifest. Delivery times and dates must be coordinated between the successful bidder and each participating BACC agency on a schedule that meets the needs of the BACC agency, but at no time can a delivery occur more than seven (7) days after the order is placed unless the respective BACC agency requests a later delivery. No delivery can be made when a BACC agency representative is not on site. The successful bidder must notify the BACC agency of any anticipated late deliveries at least 24 hours in advance of the scheduled delivery time and date, unless delivery delays are the result of in-route transportation delays, then notification must be provided as soon as possible to inform the BACC agency of the anticipated delivery date and time. Persistently late or cancelled deliveries (defined as three or more over the contract period) may be used as a basis for contract termination. Failure to provide notice of late delivery as required by this section may also be a basis for contract termination. Any deliveries not meeting chemical quality, regulatory, safety, or delivery requirements will be returned to the successful bidder at no cost to the BACC agency, and must be re-delivered by the bidder within 48 hours of the unacceptable delivery.

### **3.8 Force Majeure**

Any bidder that anticipates a workforce interruption, including due to COVID-19 restrictions, or a production shutdown that could affect delivery of the chemical must fax or e-mail notifications to all participating BACC agencies to notify them of the potential interruption in deliveries. A telephone call must also be made to each BACC agency as a follow-up notification.

### **3.9 Emergency Supply Plan Description**

BACC requests that bidders provide a summary of plans addressing their ability to be able to continue to supply product in the event of an unexpected disaster or urgent emergency event.

### **3.10 Safety Data Sheet (SDS)**

Bidders must submit a Safety Data Sheet (SDS) for the product offered with the bid. The successful bidder must provide a new SDS for the chemical with the first delivery or if the SDS is modified during the contract term.

### **3.11 Payments**

Payments for all chemicals will be made individually by each participating BACC agency thirty (30) days after receipt of a complete and accurate invoice. BACC itself does not have any legal authority to conduct business and therefore cannot be held responsible for the financial arrangements made between each individual BACC agency and the successful bidder. Cash discounts for early remittance of payment must be stated on the invoice, if applicable. The bidder is responsible for submitting accurate invoices to each BACC agency. The BACC agencies are not responsible for late payments resulting from the submission of inaccurate invoices. If bidder continues to submit inaccurate invoices after being put on notice by the BACC agency, the contract between the bidder and the BACC agency may be terminated.

### **3.12 Legislative Impacts**

In the event the legislative body of any BACC agency fails to appropriate funds for the purchase of the chemical, the respective BACC agency may terminate such contract without penalty and thereupon be released of further obligation.

### **3.13 Subcontracting**

No portion of the bid award may be subcontracted to another chemical manufacturer or supplier without the prior written approval of all of the participating BACC agencies.

### **3.14 Laws and Regulations**

All applicable State of California and Federal laws, City, County, and Special District ordinances, licenses, and regulations of all participating BACC agencies having jurisdiction must apply during the contract period, including any applicable State or local health order related to COVID-19.

### **3.15 Insurance**

For services requiring the supplier's or their subcontractor's presence on any BACC agency property, the successful bidder must acquire and maintain at their expense for the duration of the term of the contract the following insurance policies: Workers' Compensation, Employer's Liability, Commercial General Liability, Business Vehicle and Automobile Liability, and Contractor's Pollution Liability Insurance coverage from insurers either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated no less than A.M. Best's rating of no less than A:VII, or (ii) authorized by the BACC agency's risk manager(s) or his/her designee at any time in his/her sole discretion, all relating to the supplier's services to be performed hereunder covering the BACC agency's risks. The minimum amounts of coverage, and the breadth of coverage, corresponding to the aforesaid categories of insurance per insurable event, must be as follows, however, the insurance limits available to each participating BACC agency, their officers, officials, employees, agents and volunteers as additional insured parties, shall be the greater of the minimum limits specified herein or the full limit of any insurance proceeds available to the named insured:

INSURANCE CATEGORY	MINIMUM LIMITS
Workers' Compensation Insurance	California Statutory Minimum
Employer's Liability Insurance	\$2,000,000 per accident, and \$1,000,000 per employee for bodily injury or disease.
Commercial General Liability Insurance	\$5,000,000 per occurrence for bodily injury, personal injury, and property damage.
Business Vehicle and Automobile Liability Insurance	\$2,000,000 per accident for bodily injury and property damage.
Contractor's Pollution Liability	\$1,000,000 per occurrence, \$2,000,000 policy aggregate.

Prior to commencement of any performance under the contract, the successful bidder must furnish to each participating BACC agency an original Certificate of Insurance, and copies of information or declaration pages for the insurance required with respect to evidence of all policies of insurance required as noted above. All policies of insurance must be endorsed to name the respective BACC agency, their officials, officers, employees, agents, and volunteers as additional insured parties. For any claims related to the contract, bidder's insurance coverage shall be primary insurance with respect to each participating BACC agency, their officials, officers, employees, agents and volunteers. Any insurance or self-insurance maintained by any BACC agency party, their officials, officers, employees, agents and volunteers shall be excess of the bidder's insurance and shall not contribute with it. The successful bidder will be responsible for contacting each participating BACC agency to ascertain the proper name or names of the agency specific entities to be included in the endorsements.

The successful bidder must also provide each participating BACC agency with a MSC-90 endorsement, required for transporters of hazardous materials and/or wastes.

The successful bidder hereby agrees to waive subrogation which any insurer of the bidder may acquire from vendor by virtue of the payment of any loss. Bidder agrees to obtain and provide to each BACC agency any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of each participating BACC agency for all work performed by the bidder, its employees, agents and subcontractors.

The successful bidder must maintain the required insurance at all times while the contract is in effect, and must replace any certificate, policy or endorsement which will expire prior to that date. All policies of insurance must be endorsed to provide the required insurance and must not be suspended, voided, reduced, canceled, or allowed to expire except on thirty (30) days prior written notice to each participating BACC agency. The Certificate of Insurance must have a cancellation statement worded as follows: *"Should any of the above described policies be cancelled before the expiration date thereof, the issuing company must mail thirty calendar (30) written notice to the Certificate holder named to the left."*

#### **4. TERMS AND CONDITIONS**

##### **4.1 Indemnification**

To the fullest extent allowed by law, the successful bidder and its employees, subcontractors, and agents shall defend, indemnify, and save and hold harmless each participating BACC agency, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of the successful bidder's or its personnel, employees, agents, or subcontractors' willful misconduct or negligent act or omission while engaged in the performance of services described in this bid document, except those matters arising from the participating BACC agency's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

This indemnification includes, without limitation, the payment of all penalties, fines, forfeitures, judgments, awards, decrees, attorney's fees, and related costs or expenses, and the reimbursement of any BACC agency, its officials, officers, employees, agents, and volunteers for all legal expenses and costs incurred by each of them.

The successful bidder's responsibility for such defense and indemnity obligations shall survive the termination or completion of the contract for the full period of time allowed by law. The defense and indemnity obligations of the contract are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in the contract.

If the successful bidder should subcontract all or any portion of the work to be performed under the contract, the successful bidder shall require each subcontractor to indemnify, hold harmless and defend each participating BACC agency and each of its officials, officers, employees, agents and volunteers in accordance with the terms of the preceding paragraphs.

##### **4.2 Bid Protests**

Any bid protest must be submitted electronically via email to the BACC Coordinator before 3:30 p.m. on the fifth (5th) business day following bid opening (jdyment@bacwa.org).

- a. The protest document must be provided as one PDF and must contain a complete statement of the basis for the protest and all supporting documentation and evidence.
- b. The party filing the protest must have actually submitted a bid for the chemical. A subcontractor of a party submitting a bid for the chemical may not submit a bid protest. A party may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.
- c. The protest must refer to the specific portion of the bid document which forms the basis for the protest.
- d. The protest must include the name, address and telephone number of the person representing the protesting party.
- e. The party filing the protest must concurrently transmit a copy of the protest document and any attached documentation to all other parties with a direct financial interest which may be

adversely affected by the outcome of the protest. Such parties shall include all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.

- f. BACC will give the bidder that is the subject of the protest five (5) business days after the receipt of the protest to submit a written response. The responding bidder shall submit the response to the protesting bidder concurrent with delivery to BACC.
- g. The procedure and time limits set forth in this paragraph are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. All protests and responses received after the time set forth herein will be rejected. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest.
- h. BACC will not be responsible for any delays or transmission errors. The protesting bidder accepts all risk of late delivery of electronic protests. It is the protesting bidder's responsibility to ensure that a submittal protest is received by the bid coordinator listed in this solicitation by the due date and time. Protesting bidders should contact the bid coordinator to make sure that their electronic submittal has gone through.
- i. If BACC determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards.

#### **4.3 Equal Opportunity**

The successful bidder must agree not to refuse the hire, discharge, promote, or to otherwise discriminate in the matters of compensation against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, or physical handicap. It must be a condition that any company firm or corporation supplying goods or services, must be in compliance with the Americans with Disabilities (ADA) Act of 1990. A certificate stating compliance with the ADA may be required, upon request, by any BACC agency.

#### **4.4 Modification of Contract**

This bid solicitation document including the bid contract documents, in conjunction with each BACC agency's purchase order, purchase agreement and / or contract, will constitute the entire contract between each BACC agency and the successful bidder. The contract may not be modified, altered, or amended except by the mutual written agreement of the respective BACC agency and the successful bidder.

#### **4.5 Common Language**

Unless otherwise specified in this document, all words must be given their plain, common and ordinary meaning unless the context in which they are used clearly requires a different meaning. Words in the singular number include the plural, and in the plural include the singular. Additionally, words in the masculine gender include the feminine and the neuter, and when the sense so indicates, words of the neuter gender may refer to any gender.

#### **4.6 Proprietary Information**

All information included in any bid proposal that is of a propriety nature must be clearly marked as such. Each BACC agency must be held harmless from any claims arising from the release of proprietary information not clearly designated as such by the Bidder.

#### **4.7 Patent Guarantee**

The bidder must, with respect to any bidder's standard products, indemnify, defend and hold harmless each participating BACC agency, its employees and agents, from any and all costs and damages because of claims or litigation on account of infringement or alleged infringement of any letters patent or patent rights by reason of the sale or normal use of such products, provided that the bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense of the participating BACC agencies.

#### **4.8 Quality Control**

The bidder's chemical may be inspected and/or sampled before, during, or after any delivery and tested to confirm compliance with all of the specifications. Persistent clogging, deliveries containing significant amounts of debris, and/or chemical not meeting the technical specifications will be considered to be deficiencies. If deficiencies are detected, the chemical will be rejected and the bidder will be required to remove and replace any and all of the chemical and clean the associated tanks and piping that are contaminated by a delivery that is determined to be deficient, at no cost to the participating BACC agency. If the bidder fails to remove and replace the deficient chemical in a timely manner after being notified of the problem by the participating agency, the participating agency may remove and dispose of the contaminated chemical and clean the chemical storage tank or tanks and the associated piping all at the bidder's expense. Payment for the delivered chemical will not be made until the defects are corrected and the chemical is properly replaced and accepted. Repeat failures to comply with the specifications must constitute grounds for termination of the contract.

#### **4.9 Term of Contract**

The term of the contract between the respective BACC agency and the successful bidder will be twelve (12) months commencing July 1, 2026, and expiring June 30, 2027, with an option to extend the contract on a year-to-year basis, not to exceed three (3) yearly renewals if conditions and service are satisfactory to both the respective BACC agency and the successful bidder. The price for any succeeding periods of service shall be determined by negotiation between the respective BACC agency and the successful bidder.

#### **4.10 Good Faith Bidding and Contracting**

The participating BACC agencies listed on this bid solicitation are bidding in good faith and have agreed not to extend an existing bid in lieu of contracting with the lowest responsive bidder. However, nothing in this bid solicitation shall prevent a BACC agency from rejecting all bids and separately procuring the services they require, if deemed in the best interest of their respective agency.

#### **4.11 Termination of Contract**

Any BACC agency may terminate their contract with the successful bidder for any reason by providing the successful bidder written notice of termination, and specifying the effective date thereof, at least thirty (30) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

#### **4.12 Termination for Cause**

In the event of a breach of any term or provision of the contract by the successful bidder, a BACC agency may terminate the contract with respect to supply of chemicals for that agency by providing the successful bidder with written notice of such termination, and specifying the effective date thereof, at least ten (10) days before the effective date. Termination of the contract by one BACC agency does not affect the contractual relationship between the successful bidder and any other BACC agency.

#### **4.13 Effect of Termination**

Any termination by a BACC agency, with or without cause, must not affect the validity of the contract between the successful bidder and any other BACC agency, nor must such action affect any rights, remedies, or obligations of the successful bidder or any other BACC agency.

#### **4.14 Assignment**

The successful bidder must under no circumstances assign the contract without the prior written consent of each participating BACC agency. Any assignment, or attempt at assignment, made without such consent of each participating BACC agency may be considered a breach of contract.

#### **4.15 Competitiveness and Integrity**

The participating BACC agencies have assigned control of the acquisition process to the BACC coordinating agency identified in the *Notice Inviting Sealed Bids* of this document, to prevent biased evaluations and to preserve the competitiveness and integrity of such acquisition efforts. Bidders are to direct all communications regarding this bid to the designated BACC Coordinator, unless otherwise specifically noted, or unless approved in writing by the BACC Coordinator. Attempts by bidders to circumvent this requirement will be viewed negatively and may result in rejection of the offending bidder's offer. The BACC Coordinator may refer communications to other participating BACC agencies for clarification.

-END OF SECTION-

## **SECTION II**

**BAY AREA CHEMICAL CONSORTIUM  
PRODUCT TECHNICAL SPECIFICATIONS  
FOR BID NO. 05-2026  
CITRIC ACID**

**PRODUCT TECHNICAL SPECIFICATIONS**  
**CITRIC ACID, 48% – 52% LIQUID**

**1. Product**

- a. Liquid Citric Acid supplied shall be tested and certified as meeting the specifications of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60) Drinking Water Treatment Chemicals - Health Effects. The NSF certification for the products bid must be current on the date of bid submittal.
- b. It is the responsibility of the vendor to inform each of the participating BACC Agencies (within 24 hours, from the time of verbal or written notification) that NSF certification has been revoked or lapsed. Loss of NSF certification shall constitute sufficient grounds for immediate termination of the contract.

**2. Quality**

- a. Liquid Citric Acid shall be within 48 - 52 percent by weight citric acid.
- b. Specific gravity of the solution shall be 1.24 (+/- 0.01).
- c. Material shall be homogenous liquid form.
- d. Liquid Citric acid shall be free from contaminating substances which could interfere with normal operation of BACC Agency facilities by causing clogging or blockage of feed lines, valves, strainers, or measuring devices.

**PRODUCT TECHNICAL SPECIFICATIONS**  
**CITRIC ACID, CRYSTALLINE POWDER IN 50 LB. BAGS**

**1. Physical and Chemical Properties**

The citric acid shall be in an anhydrous water-free form.

Appearance                      Crystalline powder, shipped in 50-pound bags on pallets.

Color                                White

Solubility                         Soluble in water

**SECTION III – 1**

**BAY AREA CHEMICAL CONSORTIUM  
ESTIMATED ANNUAL QUANTITIES  
FOR BID NO. 05-2026  
CITRIC ACID**

**BAY AREA CHEMICAL CONSORTIUM**  
**ESTIMATED ANNUAL QUANTITIES FOR FISCAL YEAR 2026/2027**  
**BID NO. 05-2026**

	Unit of Measure	Estimated Annual Qty for Treatment Applications:	
		Water	Wastewater
<b>Citric Acid 48-52% Liquid</b>	<b>gal</b>	<b>2,025</b>	<b>21,000</b>
<b><u>Marin Sonoma</u></b>			
County of Sonoma	gal	25	1,000
		<b>25</b>	<b>1,000</b>
<b><u>North Bay</u></b>			
City of Antioch	gal	1,000	0
Ironhouse	gal	0	4,000
		<b>1,000</b>	<b>4,000</b>
<b><u>Peninsula</u></b>			
City of San Mateo	gal	0	8,000
		<b>0</b>	<b>8,000</b>
<b><u>Sacramento</u></b>			
City of Yuba City	gal	1,000	0
		<b>1,000</b>	<b>0</b>
<b><u>South Bay</u></b>			
San Jose - Santa Clara Regional Wastewater Facility	gal	0	8,000
		<b>0</b>	<b>8,000</b>
<b>Citric Acid Crystalline Powder (Dry Material)</b>	<b>lb</b>		<b>4,200</b>
<b><u>Tri Valley</u></b>			
Dublin San Ramon Services District	lb		4,200
			<b>4,200</b>

**SECTION III – 2**

**BAY AREA CHEMICAL CONSORTIUM  
DELIVERY DETAILS  
FOR BID NO. 05-2026  
CITRIC ACID**

**BAY AREA CHEMICAL CONSORTIUM  
DELIVERY DETAILS  
BID NO. 05-2026  
CITRIC ACID**

*The frequency of deliveries and typical delivery size are estimates of anticipated usage for a 12-month period and are given for informational purposes only and are not used in any calculations to determine the lowest overall bid (Section 1, Paragraph 2.16 Method of Award).*

<u>Per Region, Agency and Delivery Facility Name and Location</u>	<u>Frequency of Deliveries</u>	<u>Typical Delivery Size</u>
<b><u>MARIN SONOMA NAPA</u></b>		
<b>County of Sonoma</b>		
Geyserville Wastewater Treatment Plant	155 Hamilton Lane Geyserville	Quarterly 275 gallons
<b><u>NORTH BAY</u></b>		
<b>City of Antioch</b>		
City of Antioch Water Treatment Plant	401 Putnam Street Antioch	2x per year 500 gallons
<b>Ironhouse</b>		
	450 Walnut Meadows Dr Oakley	Bi-Monthly (every other month) 660 gallons (2 x 330 totes)
<b><u>PENINSULA</u></b>		
<b>City of San Mateo</b>		
City of San Mateo WQCP	2050 Detroit Drive San Mateo, CA	every 6 months Full load
<b><u>SACRAMENTO</u></b>		
<b>City of Yuba City</b>		
Water Treatment Plant	701 Northgate Drive Yuba City	2x per year 500 gallons
<b><u>SOUTH BAY</u></b>		
<b>San Jose - Santa Clara Regional Wastewater Facility</b>		
SJ/SC Regional Wastewater Facility	700 Los Esteros Rd San Jose	4 times per year 2,000 gallons
<b><u>TRI VALLEY</u></b>		
<b>Dublin San Ramon Services District</b>		
Regional Wastewater Treatment Facility	7399 Johnson Drive Pleasanton	1x per year approx 80 bags of 50-lb bag (dry material)

**SECTION III – 3**

**BAY AREA CHEMICAL CONSORTIUM  
PARTICIPATING MEMBER AGENCY CONTACT LIST  
FOR BID NO. 05-2026  
CITRIC ACID**

**BAY AREA CHEMICAL CONSORTIUM  
PARTICIPATING MEMBER AGENCY CONTACT LIST  
BID NO. 05-2026  
CITRIC ACID**

**Marin Sonoma Napa**

**COUNTY OF SONOMA**

400 Aviation Blvd, Suite 100 Santa Rosa, CA 95403

Brenda Haas	General Services - Purchasing Division	brenda.haas@sonomacounty.gov	707-565-1791
Garrett Heinz	Buyer	Garrett.Heinz@sonomacounty.gov	707 565-1787

**North Bay**

**CITY OF ANTIOCH**

Water Treatment Plant P.O. Box 5007 Antioch, CA 94531-5007

Santiago Moreno		smoreno@antiochca.gov	
Operator on Duty			925-382-4246
Marcus Woodland		Mwoodland@antiochca.gov	925-779-7029

**IRONHOUSE**

450 Walnut Meadows Drive Oakley, CA 94561

Jean-Marc H. Petit	General Manager	Petit@isd.us.com	925-809-3001
Mike Allen	WRF Superintendent	allen@isd.us.com	(925)-625-2279
John DeFremery	WRF Supervisor	defremery@isd.us.com	(925) 848-0512
Lettisha Wamsley	Administrative Technician – Purchasing	Wamsley@isd.us.com	(925) 809-3014

**Peninsula**

**CITY OF SAN MATEO**

City of San Mateo WWTP 2050 Detroit Drive San Mateo, CA 94404

Alonso Barahona	Management Analyst II	abarahona@cityofsanmateo.org	650-522-7334
Xiongbing Liang	Laboratory Supervisor	xliang@cityofsanmateo.org	650-522-7380
Robert Knox	Operations Superintendent /Chief Plant Operator	rknox@cityofsanmateo.org	650-522-7380
Rob Learmonth	Planet Manager	rlearmonth@cityofsanmateo.org	

**BAY AREA CHEMICAL CONSORTIUM  
PARTICIPATING MEMBER AGENCY CONTACT LIST  
BID NO. 05-2026  
CITRIC ACID**

**Sacramento**

**CITY OF YUBA CITY**

Utilities Department 701 Northgate Drive Yuba City, CA 95991

Kaylashia Byrd	Finance Administrative Analyst	kbyrd@yubacity.net	530-822-4659
Mylaina McMurray	Utilities Administrative Analyst	mmcmurray@yubacity.net	530-822-5365
Joseph Jones	Finance Accounting Manager	jjones@yubacity.net	530-822-4803
Jennifer Troche	Utilities Administrative Assistant	utilitiesadmin@yubacity.net	530-822-7571
Christian Elder	Water Treatment Plant Supervisor	celder@yubacity.net	530-822-4759
Finance Department	Purchasing Team	purchasing@yubacity.net	530-822-4618
Veronica Kemmerly	Accountant I	vkemmerly@yubacity.net	530-822-4646
Mike Finnigan	Wastewater Treatment Facility Supervisor	mfinniga@yubacity.net	530-822-7696
Scarlett Harris	Utilities Administrative Manager	sharris@yubacity.net	530-822-5366
Lance Andes	Water Treatment Chief Plant Operator	landes@yubacity.net	530-822-4637
David Newgard	Wastewater Treatment Facility Chief Plant Operator	dnewgard@yubacity.net	530-822-7698

**South Bay**

**SAN JOSE - SANTA CLARA REGIONAL WASTEWATER FACILITY**

700 Los Esteros Road San Jose, CA 95134

Justin Sabla	Wastewater Ops Superintendent	Justin.Sabla@sanjoseca.gov	(408) 793-5375
Bryan Berdeen	Chief Plant Operator	Bryan.Berdeen@sanjoseca.gov	(408) 635-2058
Mark Nicholl	Wastewater Ops Superintendent	Mark.Nicholl@sanjoseca.gov	408-635-6635
Alex Rodriguez	Division Manager of Wastewater Ops	alex.rodriguez@sanjoseca.gov	(408) 635-2087

**Tri Valley**

**DUBLIN SAN RAMON SERVICES DISTRICT**

Regional Wastewater Treatment Facility 7399 Johnson Drive Pleasanton, CA 94588

Corinne Ferreyra	Senior Management Analyst	ferreyra@dsrsd.com	925-875-2298
Danny Ward	Water/Wastewater Systems Superintendent	dward@dsrsd.com	925-875-2371
Tim Lewis	WWTP Operations Superintendent	tlewis@dsrsd.com	925-875-2300

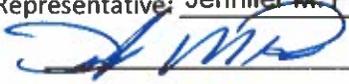
## **SECTION IV**

**BAY AREA CHEMICAL CONSORTIUM  
BID CONTRACT DOCUMENTS  
FOR BID NO. 05-2026  
CITRIC ACID**

**\*\*\* All of the following pages must be properly completed and submitted  
for the bid to be considered complete. \*\*\***

**BAY AREA CHEMICAL CONSORTIUM  
STANDARD AGREEMENT, PAGE 1 OF 2  
BID NO. 05-2026  
SUPPLY AND DELIVERY OF CITRIC ACID**

I hereby agree to furnish CITRIC ACID identified in the attached bid forms, as solicited by the Bay Area Chemical Consortium (BACC), to one or more of the participating BACC Agencies.

Company: Univar Solutions USA, LLC  
Address: 8201 S 212th St  
City, State, ZIP: Kent, WA 98032  
Phone: 253-872-5040  
Email: jennifer.perras@univarsolutions.com or Muniteam-west@univarsolutions.com  
Authorized Representative: Jennifer M. Perras  
Signature:   
Date: 2/13/2026

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER \_\_\_\_\_ THROUGH \_\_\_\_\_.

**SPECIFIC DEVIATIONS:**

This box must be checked if bidder has any proposed specific deviations. Per Section 2.12 Proposed Deviations from the Specifications by the Bidder, the absence of a proposed change in the specifications will hold the bidder strictly accountable to the specifications as described in the bid document, including any addendum.

Describe the specific deviations below. A copy of the proposed specifications must be attached to this Standard Agreement at the time of submission, with bidder's name clearly shown on each document.

---

---

---

---

---

**Description of Emergency Supply Plan:** Provide a summary of vendor's plans to continue to supply product in the event of an unexpected disaster or urgent emergency event.

We have our own private fleet of trucks, we have our own tank farm and drivers. If our facilities are up and running, Municipalities are our first priority. We have tanks of chemicals at our facilities that can supply chemicals

We can pull from Dallas, TX, Fresno, CA, and our centralized warehouse in Phoenix, AZ

**STANDARD AGREEMENT, PAGE 2 OF 2**



Univar Solutions USA LLC.  
8201 S. 212th  
Kent, WA 98032-1994  
USA

T 253-872-5000  
F 253-572-5041  
[www.univarsolutions.com](http://www.univarsolutions.com)



## References

1. County & County of San Francisco  
1 Dr. Carlton B Goodlett Place  
San Francisco, CA 94102

Contact: Lin Repola- [linda.repola@sfgov.org](mailto:linda.repola@sfgov.org)  
Phone: 415-554-4564

Supply and Delivery of Bulk Sodium Hypochlorite, Caustic Soda and Sodium Bisulfite servicing for the past 13 years.

2. East Bay Mud  
PO Box  
Oakland, CA 946231

Contact: John Grimes, Purchasing  
Email- [john.grimes@ebmud.com](mailto:john.grimes@ebmud.com)  
Phone: 510-287-0316

Supply and Delivery of Bulk Sodium Hypochlorite, Bulk Caustic Soda, & Bulk Sodium Bisulfite servicing for the past 14 years.

3. City of Riverside  
WTP  
San Bernardino, CA 92408

Contact: Shiloh Rogers, Procurement & Contract Specialist  
Email- [SARogers@riverside.gov](mailto: SARogers@riverside.gov)  
Phone 951-826-5562

Supply and Delivery of Sodium Hypochlorite servicing for the past 3 years.

[addressee]  
[date]  
[page #]

4. BACC-Bay Area Chemical Consortium  
Over 100 locations within Northern California

Contact: each city, info listed below.

Supply and Delivery of Sodium Hypochlorite, Caustic Soda, Sodium Bisulfite servicing for the past 13 years.

- City of Stockton, CA – Kathryn Garcia [Kathryn.Garcia@stocktonca.gov](mailto:Kathryn.Garcia@stocktonca.gov)  
Phone: 209-937-8232
- City of Turlock, CA- Lisa Quiroga [equiroga@turlock.ca.us](mailto:equiroga@turlock.ca.us)  
Phone: 209-668-5402
- Marin Municipal, CA- Jim Kenney [jkenney@marinwater.org](mailto:jkenney@marinwater.org)  
Phone: 415-945-1501

5. City of Los Angeles  
Los Angeles, CA

Contact: Katherin Quinn-

Email: [Katherine.Quinn@lacity.org](mailto:Katherine.Quinn@lacity.org)

Phone: 310-648-5665

Supply and Delivery of Sodium Hypochlorite for the past 6 years

6. County Sanitation Districts of Los Angeles County  
PO Box 7998  
Whittier, CA 90607-4998

Contact: Martha Ibarra

Emails: [mibarra@lacsds.org](mailto:mibarra@lacsds.org)

Phone: (562) 908-4288 ext. 1423

For Supply and Delivery of Bulk Sodium Hydroxide (Caustic Soda) 50% and Calcium Hydroxide 45%, have been servicing for 7 years

7. Metropolitan Water Dist. of Southern California  
PO Box 54153  
Los Angeles, CA 90054-0153

Contact: Angelo Sarao

Email: [asarao@mwdh2o.com](mailto:asarao@mwdh2o.com)

Phone: (213) 217-7610

Supply and Delivery of Caustic Soda and Rail Cars of Chlorine for the past 3 years

[addressee]  
[date]  
[page #]

Over the past 15 years, Univar has participated in 100's of Municipal bids, we have listed the 6 projects represent our capabilities in California.

All of our operational personnel participated in making sure all delivery requirements were met to each customer.

Our customer service department takes care of all orders, they communicate with operations and the customer to make sure all requests are satisfied.

We meet 100% of our contractual obligations; any municipality that is under contract with Univar is serviced first if there is a shortage in the market place.



**BAY AREA CHEMICAL CONSORTIUM  
BID FORM FOR BID NO. 05-2026  
FOR SUPPLY AND DELIVERY OF CITRIC ACID**

Sealed bids must be submitted in a PDF format and bidders must enter bid prices into the electronic bid platform (Line Item page)

<https://bacwa.org/about-bacc/>

No later than 4:00 PM. PT  
Thursday, February 19, 2026

Legal Name of Bidder:  
Univar Solutions USA, LLC

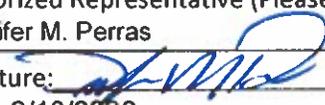
Business Address  
8201 S 212th St  
Kent, WA 98032

Telephone Number: 253-872-5040

Facsimile Number: 253-872-5041

Email Address: Muniteam-west@univarsolutions.com

Authorized Representative (Please Print):  
Jennifer M. Perras

Signature:   
Date: 2/13/2026

**I. All costs except California State sales tax and tariffs for the purchase of CITRIC ACID must be included in the amount shown entered into the electronic bid platform (Line Item page), including any and all mill assessments, fees, excise taxes, transportation charges, etc. Any exceptions to the bid must be noted under Specific Deviations on the Standard Agreement. Bidders shall submit bids per unit of measure as specified in the electronic bid platform (Line Item page).**

**II. Bidders must submit all of the following, attached to this Bid Form:**

- a. All requirements listed in Section 2.21 Manufacturer's Info.
- b. If applicable, the name, address, and contact information for the third party hauling company as well as an affidavit signed by the Bidder that the third party hauler can and will deliver the chemical to each and every participating BACC Agency.

**III. Bidder Obligations**

By signing this Bid Form and entering into individual purchase orders, purchase agreements and /or contracts with BACC agencies, the bidder expressly agrees to be bound by all the provisions of the bid solicitation, including Sections I-IV.



**BAY AREA CHEMICAL CONSORTIUM**

**Worksheet**

**BID NO. 05-2026**

**CITRIC ACID**

*Refer to paragraph 2.4 Bid Pricing for full details.*

*Bidders shall submit bids in US\$ per unit of measure indicated on this bid form, FOB Destination. Bidders must submit their Bid Prices via electronic bid platform - Line Items section. Do not submit Worksheet.*

	Unit of Measure	Bid Price per Unit of Measure
<b>Citric Acid 48-52% Liquid</b>		
<u>Marin Sonoma Napa</u> County of Sonoma	gal	\$
<u>North Bay</u> City of Antioch Ironhouse	gal	\$
<u>Peninsula</u> City of San Mateo	gal	\$
<u>Sacramento</u> City of Yuba City	gal	\$
<u>South Bay</u> San Jose - Santa Clara Regional Wastewater Facility	gal	\$
<b>Citric Acid Crystalline Powder (Dry Material)</b>		
<u>Tri Valley</u> Dublin San Ramon Services District	lb	\$

DO NOT SUBMIT WORKSHEET  
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM



Dear Valued Customer,

Please accept this letter as confirmation that our remittance information has changed. Please find the correct banking information below:

**Legal Entity Name:** Univar Solutions USA, Inc

**WIRE TRANSFERS**

Bank of America NA

Account Number: 4427142686

ABA: 026009593

SWIFT: BOFAUS3N

Please email remit to: [cashapps@univarsolutions.com](mailto:cashapps@univarsolutions.com)

**ACH PAYMENTS**

Bank of America NA

Account Number: 4427142686

ABA: 111000025

Please email remit to: [cashapps@univarsolutions.com](mailto:cashapps@univarsolutions.com)

**CHECK PAYMENTS**

62190 Collections Center Drive

Chicago, IL 60693-0621

Please include remit information

Please contact us at 331-777-6000 if you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read "David Lundin", with a long horizontal flourish extending to the right.

David Lundin

Vice President, Financial Shared Services

Univar Solutions USA Inc.  
200 Dean Sievers Place  
Morrisville PA 19067



T215-337-5403  
F 215 337 6290  
[www.univarsolutions.com](http://www.univarsolutions.com)

**WARRANTY.** Seller warrants that Seller branded Products conform to Seller's published specifications at the time of delivery. Seller warrants that services provided by Seller will be consistent with Seller's standard specifications or, if none, with Seller's standard practices. Buyer acknowledges that Seller acts as a distributor for Products not branded by Seller (Resale Products) and that matters relating to the quality of the Products are not within Seller's control. Accordingly, SELLER MAKES NO WARRANTIES WHATSOEVER CONCERNING RESALE PRODUCTS. THE FOREGOING WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES EXPRESS OR IMPLIED. SELLER EXPRESSLY EXCLUDES WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.



Univar Inc. is committed to embedding sustainability throughout our business. Univar recognizes that sustainability goes beyond reducing our impacts on the environment and that it involves an all-encompassing social, economic and environmental philosophy. Univar is a global enterprise with a strong ethical approach to business – a responsible corporate citizen. Univar encourages and values sustainable business practices across our value chain, and we support and encourage our suppliers and customers on their journeys to a sustainable future.

To meet our commitment the Sustainability Policy is guided by the principles below:

- Compliance with all applicable legal requirements and to operate in accordance with both government and industry codes of practice and guidance that are appropriate to our activities;
- Minimize any adverse impacts of our operations on the environment or the surrounding communities;
- Engage with our key stakeholders to ensure that our environmental and social efforts remain relevant;
- Communicate our commitment and our ongoing efforts relating to sustainability to our employees and the wider value chain;
- Encourage and support environmentally and socially responsible behavior from our customers and suppliers including those relating to key topics such as climate change or labor practices;
- Consider in our actions the principles of ISO26000 'Guidance on Social Responsibility' to ensure a comprehensive approach towards sustainability;
- Open and transparent reporting on issues that may impact our environment and society annually through a report informed by the Global Reporting Initiative (GRI) standards;
- Provide our supply chain partners with more sustainable choices in the markets that we operate;
- Review performance of sustainability metrics on an ongoing basis to ensure continual improvement.

The principles of this policy are core to our sustainability agenda, shaping our objectives and initiatives.

A handwritten signature in black ink, appearing to read 'P. Hockaday'.

Phil Hockaday  
Vice President, Global  
Environmental, Health and Safety  
Univar Inc.

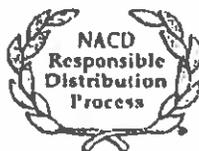
Effective Date: 5<sup>th</sup> May 2017

---

## NACD Responsible Distribution Process

### Guiding Principles

1. To recognize and respond to community concerns about chemicals, their handling, and transportation.
2. To make health, safety, security, and environmental considerations a priority in our planning for all existing and new operations, products, processes, and facilities.
3. To inform emergency response officials, employees, customers, and the public of manufacturer's information on chemical-related health or environmental hazards, and the manufacturer's recommendations on protective measures.
4. To work with customers, in accordance with manufacturer's recommendations, on product stewardship including handling, use, transportation, and disposal of chemical products.
5. To operate our plants and facilities in a manner that protects the health and safety of our employees, the public and the environment.
6. To cooperate in resolving problems created by past handling and disposal of hazardous chemicals.
7. To participate with government and others in creating responsible laws, regulations, and practices to help safeguard the community, workplace, and environment.
8. To promote the principles and practices of Responsible Distribution Process<sup>SM</sup> by sharing experiences and offering assistance to others who produce, handle, use, transport, or dispose of chemicals.



## RDP - What is it?

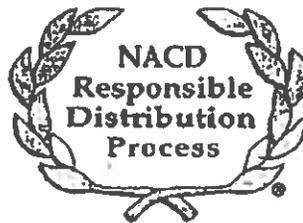
Univar is a member of the National Association of Chemical Distributors. This trade association developed the Responsible Distribution Process<sup>SM</sup> (RDP), which focuses on the responsible management and distribution of chemicals.

RDP emphasizes continual improvement in the health, safety, security, and environmental performance of all NACD member companies. This includes a commitment to comply with environmental, health and safety regulations; providing critical product safety information to employees, contractors and customers; while working with local communities and neighbors to respond to their needs. RDP consists of a set of Guiding Principles and the Code of Management Practice. This Code includes 47 specific requirements, divided into twelve sections:

- Risk Management
- Compliance Review and Training
- Carrier Selection
- Handling and Storage
- Job Procedures and Training
- Waste Management & Conservation
- Emergency Response/Public Preparedness
- Community Outreach
- Product Stewardship
- Internal RDP Audits
- RDP Corrective & Preventive Action
- RDP Document & Data Control

A key requirement of RDP and a condition of membership in NACD is verification of members' RDP policies and procedures by a third-party firm. Univar received the first Third-Party verification in 1995 and received a compliance certificate. We were re-certified in 2000 and again in 2004.

Univar maintains a leadership position in NACD, and remains firmly committed to the Responsible Distribution Process and its objective of promoting continual improvement in chemical handling and distribution.





**Univar Solutions USA Inc.  
Safety Information**

**I. INTRODUCTION**

**(A) Scope**

Univar USA Inc. (UNIVAR) is committed to conducting its operations in a manner that minimizes the risk to the safety and health of our employees, customers, the public and the environment.

**(B) Purpose**

This Injury & Illness Prevention Program (IIPP) has been developed by UNIVAR for its employees who may be exposed to general and/or chemical hazards. This program meets the requirements of Senate Bill 198 enacted under California Labor Code Section 6401.7 and the General Industry Safety Orders Section 3203.

This IIPP represents only a portion of UNIVAR's Safety and Environmental Program. The program includes several written programs and manuals such as the Operating Standards Manual, Emergency Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program, Confined Space Entry Program, Lock Out/Tag Out Program, Hot Work Program and Documentation Manual. The IIPP is not intended to be a standalone program but rather a supplement to all of the other current programs. The primary functions of this program are to inform employees of the regulation, highlight areas of occupational hazards, direct them to the proper means of minimizing the identified hazards and define the lines of communication between employees and management.

This IIPP is available for review by employees, government agencies, vendors, contractors or any other parties who have a need to examine the Program. The Program includes:



**Univar Solutions USA Inc.  
Safety Information**

<b>Employer Information:</b>	Name, address, telephone number, type of business and main activity.
<b>Administrator Information:</b>	Person with the authority and responsibility to administer the program.
<b>Safety &amp; Health Hazard Evaluation:</b>	A two step process which includes job classification and occupational hazard analysis.
<b>Standard Operating Procedures/ Operating Standards:</b>	Programs and procedures necessary to ensure employee safety and health in every aspect of their job.
<b>Inspection Program:</b>	Inspections are conducted: (1) when the IIPP is first established; (2) whenever new substances, processes, procedures, or equipment are introduced into the workplace; (3) whenever a new or previously unrecognized hazard is identified; (4) when occupational injuries or illnesses occur; and (5) whenever workplace conditions warrant an inspection. Scheduled daily, weekly and monthly inspections.
<b>Training Program:</b>	Employees receive initial, refresher and ongoing training as required.
<b>Communication:</b>	Provides a means to instruct employees on the hazards associated with each job classification; ensure employees' compliance with standard operating procedures and safe work practices; encourage employees to participate in the safety program and identify areas of concern and/or hazards.
<b>Safety Award Program:</b>	Company program that encourages and rewards employees for working safely.



**Univar Solutions USA Inc.  
Safety Information**

**Progressive Disciplinary Action Policy:** Company policy that disciplines employees that do not perform their job functions according to

established policies, procedures and guidelines. These policies, procedures and guidelines have been developed to establish a safe working environment for all of our employees and any deviation from them will not be tolerated.

**Recordkeeping Requirements:** Includes this written program; hazard analysis; the OSHA 300 Log; Standard Operating Procedures; inspections; training; meeting records and disciplinary actions for a period of time prescribed

**Program Reviews:** Review and assess this and other company programs as required to ensure their effectiveness and applicability.

## **UNIVAR SOLUTIONS SECURITY PROGRAM**

As an international distributor of industrial chemicals, a participant in the National Association of Chemical Distributors Responsible Distributor program, and an active member of the communities we serve, Univar Solutions USA Inc. (Univar) has long had policies and procedures in place to ensure the security of our products, facilities, employees and communities. The following summary outlines the major provisions of Univar's Security Program which reflects not only prudent measures to maximize the secure and safe handling of chemicals, but also the security requirements of various federal programs related to management of hazardous materials including DOT hazardous material transportation requirements, DHSCFAT program and Department of Commerce import rules among others. Note that this description is necessarily a broad overview of Univar's security program as various agencies limit the security related information that can be disclosed.

For our business partners that are C-TPAT certified please consider the following outline a demonstration of the degree to which Univar complies with C-TPAT security criteria.

### **BUSINESS PARTNER REQUIREMENT**

Univar has a written and verifiable process for the selection of business partners including manufacturers, product suppliers and vendors. Other internal requirements such as; capability of meeting contractual security requirements and financial soundness are included in the verification process.

### **POINT OF ORIGIN**

Univar ensures its foreign business partners have security criteria in place that enhances the integrity of the shipment at point of origin. Periodic reviews of foreign business partners' processes and facilities are conducted based on risk.

### **CONTAINER SECURITY**

Container integrity is maintained as mandated by international cargo transport laws and regulations.

### **EN ROUTE SECURITY**

Hazardous cargo is secured while in transit. Additionally, products and routes are annually evaluated to assess potential security risks.

### **COMMON CARRIER EVALUATION**

In addition to the above security measures, Univar has taken steps to verify our common carriers' compliance with DOT's HM-232 rules. Each common carrier has been asked to certify their security compliance with regards to HM-232.

### **PERSONNEL SECURITY**

Personnel security begins with hiring qualified employees. Univar has established policies and procedures to ensure we hire and maintain qualified employees. These policies and procedures include, but are not limited to:

- Pre-employment background checks
- Pre-employment and random drug tests for drivers and warehouse staff
- Policy on "Standards of Conduct" (included in the Employee Handbook)
- Policy on "Confidential Information" (included in the Employee Handbook)
- Checkout procedures for terminating employees
- Referral of illegal or criminal activities to law enforcement

### **PHYSICAL ACCESS CONTROLS & SECURITY, PROCEDURAL & IT SECURITY SECURITY & VULNERABILITY ASSESSMENT**

Due to the hazardous nature of the chemicals we manage and distribute, Univar constantly assesses its security and vulnerability concerning internal or external threats that could potentially disrupt operations or harm our employees, communities or the environment. Univar's security program addresses the following potential sources of loss or disruption:

- Theft, vandalism, and break ins
- Theft of confidential business information
- Sabotage of equipment, utilities, and records
- Product contamination and tampering
- Bomb threats
- Civil unrest disrupting plant access and operations
- Workplace violence and assaults

Additionally, Univar has developed a risk based matrix to identify areas of concern and has taken steps to address those areas of concern.

The initial security evaluations periodically reviewed by the site security official to evaluate the integrity and effectiveness of security policies, procedures and systems.

### **UNAUTHORIZED ACCESS**

Univar has established minimum facility security guidelines that must be implemented and adhered to by each facility. Those minimum guidelines include but are not limited to:

- Perimeter and warehouse security
- Equipment security
- Access controls for production areas, warehouses, utility facilities, and offices
- Signs to direct visitors and vehicles to the appropriate entry points
- Visitor control



Univar employees have been trained to question unescorted person(s) within the operating areas, and to be watchful for unusual activity on company property or in the immediate surrounding areas.

#### **SITE SECURITY COORDINATOR**

Each Univar facility has designated an employee, and an alternate, as the site security coordinator. This person(s) is responsible for performing the following security management functions:

- Prepare and implement a site specific security program consistent with the requirements herein
- Establish relationships with law enforcement and emergency response agencies
- Manage incident reporting procedures, conduct incident investigations, and if necessary, conduct investigations into breaches of company security policy
- Train employees about security awareness
- Address security issues in an emergency, participate in crisis management planning and ensure appropriate execution in emergency
- Periodically reassess the facility's site security program

#### **TRAINING**

The Security Coordinator or his/her designee will train site personnel upon hire and every three years thereafter on the site security program. At a minimum, training includes:

- Company security objectives
- Specific site security procedures:
  - Product integrity
  - Personnel security
  - Facility security
  - En-route security
- Employee responsibilities

Should you have any general questions regarding Univar site and transit security program, please contact Jon Webster, Senior Vice President, North America Supply Chain & Operations at (425)241-7138 or Jeff Dixon, Director, International Trade Services at (281)543-8771.

Respectfully,

A handwritten signature in black ink that reads 'Jonathan Webster'.

---

**Jonathan (Jon) Webster**  
Senior Vice President  
North America Supply Chain & Operations



## EMERGENCY PROCEDURES (Chapter 5)

### 5.01 Incidental Spill Response

05/04/2020: NEW

#### 1. PURPOSE

Univar Solutions employees may only respond to incidental spills, which are defined as spills that do not pose a significant safety or health hazard to personnel in the area and that can be safely managed by employees in the immediate vicinity of the spill. The purpose of this standard is to prohibit Univar Solutions employees from responding to chemical releases that may cause severe injuries.

#### 2. SCOPE

This standard applies to all spills that occur on Univar Solutions property, at customer locations, and during transit. Larger, more dangerous releases requiring emergency response must be completed by qualified contractors (see exception process for responding to Chlorine and Sulfur Dioxide releases in section 4.1.2). Additional details for responding to a variety of incidents can be found in the branch Contingency Plan.

#### 3. RESPONSIBILITY

##### 3.1 Employee

Univar Solutions employees must be able to identify the chemicals they work with, understand the hazards for each chemical, and use appropriate methods for preventing exposure. In the event of a spill, the employee must take steps to control the spill (if the material is identifiable and it is safe to do so), then immediately alert personnel in the immediate area and notify their supervisor. Employees must always exercise stop work authority at any point if they believe the task cannot be completed safely.

##### 3.2 Temporary Worker

Temporary workers are not authorized to clean up spills. Temporary workers must secure the area and report all spills to their supervisor immediately.

##### 3.3 Contractor

Contractors are not authorized to clean up spills. Contractors must secure the area and report the spill to local management immediately. Only contractors who have been specifically engaged to respond to a release may perform cleanup operations.

- 3.4 Branch Operations Supervisor/Branch Operations Manager (BOS/BOM)**  
The BOS/BOM must ensure that employees working with chemicals are properly trained in incidental spill response. The BOS/BOM must assess when the spill exceeds their ability to safely respond, and when to contact emergency contractors. All spills must be reported by the BOM in compliance with the procedures detailed in OSM 5 20 Spill Reporting. The BOM (or specifically assigned delegate) must inspect and maintain spill kits. The BOS/BOM must also conduct annual drills as outlined in section 4.6 below.
- 3.5 District Operations Manager (DOM)**  
The DOM ensures that the BOM/BOSs have the required resources and support to implement the requirements outlined in this procedure.
- 3.6 Regional Health and Safety Manager (RHSM)**  
The RHSM is responsible for auditing this procedure to ensure compliance and effectiveness. The RHSM is responsible for providing support and technical assistance to BOS/BOM for safely handling incidental spills.
- 3.7 Regional Regulatory Manager (RRM)**  
The RRM is responsible for making proper notifications to local, state, and federal agencies when appropriate. The RRM also assists in proper storage and disposal of any chemical waste.
- 3.8 VP of Operations**  
The VP of Operations is responsible for reviewing requests to establish branch-specific emergency response to Chlorine and Sulfur Dioxide releases.

## 4. PROCEDURE

### 4.1 Authorized Spill Response

#### 4.1.1 Incidental Spill Response

Univar Solutions employees may only respond to spills that do not pose a significant safety or health hazard to personnel in the area and that can be safely managed by employees in the immediate vicinity of the spill.

#### 4.1.2 Emergency Response to Chlorine and Sulfur Dioxide Releases

If the Operations Director believes a branch has the operational need and ability to respond to Chlorine or Sulfur Dioxide releases using Univar Solutions employees, the Operations Director, in consultation with the EHS department, must request authorization from the VP of Operations to implement a local emergency response program.

Upon approval from the VP of Operations, the Health & Safety team will assist local operations in implementing an emergency response program consisting of the following:

- HAZWOPER training for emergency responders
- Emergency response SOPs
- Specialized training for responding to Chlorine and Sulfur Dioxide releases
- Annual emergency response drills

#### 4.2 Prohibited Emergency Spill Response

Univar Solutions employees are prohibited from responding to the following types of spills:

- Large chemical releases requiring aggressive emergency response efforts by emergency response contractors.
- Spills where the product or waste material cannot be identified.
- Spills involving a potential IDLH (Immediately Dangerous to Life and Health) atmosphere.
- Spills with a recognized fire or explosion risk.
- Spills that could create an oxygen-deficient atmosphere.
- Spills involving the following chemicals, regardless of size; Cyanide, Hydrofluoric Acid, Ammonium Hydroxide or Formaldehyde.
- Spills involving Chlorine or Sulfur Dioxide can be responded to only if VP of Operations approval is obtained, and a documented emergency response program is in place. See section 4.1.2.
- Univar Solutions employees must never be dispatched to respond to a spill at off-site locations (e.g. spills at customer sites, spills on public roads, etc.).

#### 4.3 Responding to Incidental Spills

Before responding to any incidental spills, employees must use appropriate PPE in compliance with OSM 1 21 Exhibit 1 PPE Hazard Assessment. Employees must take the following steps when responding to incidental spills:

##### 4.3.1 Identify the Spilled Material

Before responding to any spill, employees must be able to positively identify the chemical using product labels, Safety Data Sheets (SDS), etc. If the chemical cannot be identified, the area must be secured and an emergency response contractor must be used for cleanup.

**4.3.2 Stop the Spill**

Take initial steps to stop or control the spill by using E-Stop devices, turning container on its side, closing valves, turning off pumps, etc. If this cannot be completed safely, employees must evacuate the area and take no further action without guidance from the BOS/BOM.

**4.3.3 Notify**

Immediately notify personnel in the area using verbal communication, caution tape, safety cones, etc. After notifying personnel in the area, the employee must then notify the BOS/BOM.

**4.3.4 Assess and Authorize**

Assessing the spill is a critical step in determining if it is safe to take further action to manage the spill. The BOS/BOM must authorize cleanup of the incidental spill. In addition to the prohibitions in section 4.2, BOS/BOM must consider the following factors when assessing their ability to safely clean up the spill:

- Is appropriate PPE available?
- Are adequate supplies available to complete the cleanup?
- Can the size of the spill be safely managed by employees in the immediate area?
- Is there a risk of incompatible materials creating a dangerous reaction?
- If dealing with a flammable or combustible chemical, is there a risk of accumulation of flammable vapors? Are there any possible ignition sources in the area?
- Are there other dangerous vapors in the area?
- Is a JSA needed to properly address the hazards and controls?

**4.3.5 Cleanup**

Employees must complete the following steps to clean up the spill following the assessment:

1. Obtain BOS/BOM approval to proceed with the cleanup.
2. Locate nearest spill kit.
3. Wear appropriate PPE while cleaning up the spill. Reference the SDS and OSM 1 21 Exhibit 1 PPE Hazard Assessment table for specific PPE requirements.
4. Dispose of spilled material and contaminated materials using proper disposal procedures. BOM must consult with Regional Regulatory Manager or ChemCare® Specialist for proper disposal procedures.

5. Properly decontaminate or dispose of all PPE and tools used during the cleanup process.

#### 4.4 Spill Reporting

All spills must be reported by the BOM in compliance with the procedures detailed in OSM 5 20 Spill Reporting.

#### 4.5 Spill Kits

The BOM (or specifically assigned delegate) must inspect and maintain spill kits according to the following requirements:

- 4.5.1 Spill kits must be located in areas where incidental spills are likely to occur.
- 4.5.2 Spill kits must be labeled, easily accessible, and fully stocked. See *Exhibit 1: Incidental Spill Kit Inventory* for ordering and restocking spill kits.
- 4.5.3 Spill kits must contain items appropriate for chemicals and conditions in the area. See *Exhibit 1: Incidental Spill Kit Inventory* for recommended spill kits.
- 4.5.4 Spill kits must have a numbered break away seal. The seal number must be inspected monthly to ensure the seal has not been broken. Log these inspections on *Exhibit 3: Monthly Spill Kit Seal Inspection Log*.
- 4.5.5 If the Spill Kit seal has been broken, then the employee inspecting the seal must:
  1. Open the spill kit and replace any missing items per *Exhibit 1* requirements
  2. Then reseal the spill kit with a new numbered break away seal, logging the new seal number on *Exhibit 3*

#### 4.6 Annual Spill Response Drills

- 4.6.1 At minimum, once per calendar year, the BOS/BOM must conduct a hands-on spill response drill with operational employees expected to participate in incidental spill response.
- 4.6.2 The drill must be conducted using the scenarios detailed in *Exhibit 2: Incidental Spill Response Drill*.

## 5. DEFINITIONS

Not applicable

**6. RECORDS GENERATED AND RETENTION**

Record	How Long to Retain	Location	Responsible
<i>Exhibit 3: Monthly Seal Inspection Log</i>	3 years	Branch Files	BOM
<i>Exhibit 2: Incidental Spill Response Drill</i>	3 years	Branch Files	BOM

**7. TRAINING**

OTC 238 Incidental Spill Response

**8. REFERENCES**

*Exhibit 1: Spill Kit Inventory*

*Exhibit 2: Incidental Spill Response Drill*

*Exhibit 3: Monthly Spill Kit Seal Inspection Log*

OSM 5 20 Spill Reporting

**COMMON CARRIER EVALUATION**

In addition to the above security measures, Univar has taken steps to verify our common carriers' compliance with DOT's HM-232 rules. Each common carrier has been asked to certify their security compliance with regards to HM-232.

Should you have any questions regarding any of the items noted in this security program summary, please feel free to contact your local Univar representative or myself at (425) 889-3776.

Respectfully,



Ed Higbee  
Director – Regulatory, Health & Safety

**I. Introduction**

**(A) Scope**

Univar USA LLC (UNIVAR) is committed to conducting its operations in a manner that minimizes the risk to the safety and health of our employees, customers, the public and the environment.

**(B) Purpose**

This Injury & Illness Prevention Program (IIPP) has been developed by UNIVAR for its employees who may be exposed to general and/or chemical hazards. This program meets the requirements of Senate Bill 198 enacted under California Labor Code Section 6401.7 and the General Industry Safety Orders Section 3203.

This IIPP represents only a portion of UNIVAR's Safety and Environmental Program and covers the California branch locations. The Program includes several written programs and manuals such as the Operating Standards Manual, Emergency Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program, Confined Space Entry Program, Lock Out/Tag Out Program, Hot Work Program and Documentation Manual. The IIPP is not intended to be a stand-alone program but rather a supplement to all of the other current programs. The primary functions of this program are to inform employees of the regulation, highlight areas of occupational hazards, direct them to the proper means of minimizing the identified hazards and define the lines of communication between employees and management.

This IIPP is available for review by employees, government agencies, vendors, contractors or any other parties who have a need to examine the Program. The Program is managed by the Corporate Risk Management and EHS Departments. The Program includes:

Employer Information: Univar USA LLC, 3075 Highland Parkway, Suite 200, Downers Grove, IL 60515-5560, Jack Spicuzza VP Global EHS, Audra Sargeant-Director of H&S 217-412-4107

Administrator Information: 425-889-3791, chemical distribution (type of business and main activity).

Person(s) with the authority and responsibility to administer this program. Jack Spicuzza VP Global EHS, Audra Sargeant-Director of H&S 217-412-4107

Safety & Health Hazard Evaluation:

A two-step process which includes job classification and occupational hazard analysis.

Standard Operating Procedures/ Operating Standards:

Programs and procedures necessary to ensure employee safety and health in every aspect of their job.

Inspection Program:

Inspections are conducted: (1) when the IIPP is first established; (2) whenever new substances, processes, procedures, or equipment are introduced into the workplace; (3) whenever a new or previously unrecognized hazard is identified; (4) when occupational injuries or illnesses occur; and (5) whenever workplace conditions warrant an inspection. Scheduled daily, weekly and monthly inspections are also conducted. All inspection forms that implement the safety programs in OSM are located in MaintainX.

Training Program:

Employees receive initial, refresher and also participate in the company's Serious about Safety program. Ongoing training is required and training is managed through the LMS.

Communication:

Provides a means to instruct employees on the hazards associated with each job classification; ensure employees' compliance with standard operating procedures and safe work practices; encourage employees to participate in the safety program and identify areas of concern and/or hazards.

Progressive Disciplinary Action Policy:

Company policy that disciplines employees that do not perform their job functions according to established policies, procedures and guidelines. These policies, procedures and guidelines have been developed to establish a safe working environment for all of our employees and any deviation from them will not be tolerated.

**Recordkeeping Requirements:**

Includes this written program; hazard analysis; the OSHA 300 Log; Standard Operating Procedures; inspections; training; meeting records and disciplinary actions for a period of time prescribed by laws, regulations or the UNIVAR's Record Retention Policy .

**Program Reviews:**

Review to ensure Cal-OSHA and other company programs are updated as required to ensure compliance and effectiveness.

II. **Written Program**

(A) **Employer Information**

This IIPP is specifically designed for UNIVAR facility located at:

Address: 950 Lovebridge Rd

City: Pittsburg State: CA Zip Code: 94565

Telephone Number: (408) 953 1649

Type of Business: Distribution

Main Activity: Chemical Distribution

SIC Code: 5169

(B) **Responsibility**

The person with the authority and responsibility for implementing this IIPP:

Name: Lloyd Sr

Title: Transportation Manager

Alternate: Patrick O'Malley

Title: District Transportation Manager

(C) **Safety & Health Hazard Evaluation**

Careful review has been given to all positions and job functions within UNIVAR and the following job classifications have been determined to most accurately represent the workforce at our locations:

1) Administrative

This job classification includes positions in the office, accounting, sales, supervisory and management areas.

2) Material Handlers

This job classification includes positions in the warehouse, tank farm, laboratory and field technicians.

3) Maintenance

This job classification includes positions in vehicle and general facility maintenance.

4) Transportation

This job classification includes positions with full-time or part-time driving capacity.

A review of accidents, injuries, and illnesses, periodic and scheduled safety inspection records, information provided by employees, and each job classification identified above has been conducted to determine the occupational hazards associated with each job classification. These occupational hazards have been identified and are listed in Appendix A of this program. All Operations/Transportation Managers and Supervisors have been trained by the Corporate EHS Department through Safety Compliance Leadership Training (SCLT) on hazard recognition and identifying controls to prevent injury. All employees are trained to report hazards and unsafe conditions at their work site without fear of reprisal. Employees also participate on the Safety Committees at the branch location. New committee members are assigned annually, rotation of employees ensure wider participation. Meeting minutes are documented (see Appendix A).

**(D) Standard Operating Procedures/Operating Standards**

UNIVAR has developed Standard Operating Procedures/Operating Standards to minimize exposure to the occupational hazards associated with each job classification. These Standard Operating Procedures/Operating Standards identify pertinent information such as safe working conditions, safe work practices, and personal protective equipment. UNIVAR's standard operating procedures are included in such documents as the Operating Standards Manual, Emergency/Contingency Plan, Risk Management Program, Process Safety Management Program, Hazard Communication Program, Respiratory Protection Program and the Confined Space Program.

**(E) Inspection Program**

**(1) Summary**

UNIVAR conducts inspections to identify and evaluate workplace hazards.

The inspections are performed when one of the following occurs:

1. The IIPP is first established.
2. New substances, processes, procedures or equipment which present potential new hazards are introduced into the workplace.
3. The employer becomes aware of new or previously unrecognized hazard.
4. An occupational injury or illness occurs.
5. Workplace conditions warrant an inspection.

Annual EHS audits that include the Program are performed by qualified internal auditors. Corrective actions to findings are tracked until closure. Hazard assessments and PPE certification are performed at least every 3 years or whenever modifications or new processes are introduced in operations, according to Operations Standards manual (OSM) Section 1.21. All audit reports include date of audit, name of auditors, completed audit checklists, and other supporting documentation. Records are maintained on file in the Document Manual File at the branch location.

UNIVAR also schedules periodic inspections of several work areas around the facility. These inspections are intended to address each aspect of our operations such as emergency response, personal protective equipment, loading and unloading areas (including railcars), hazardous waste and virgin material storage areas, repackaging and drumming areas, maintenance facilities and transportation vehicles. Each specific area has a designated inspection schedule. The schedules of inspection are based on the frequency of use and the hazards associated with each item.

The inspection schedule identifies the area, structure or equipment; the specific items to be inspected; the hazards or problems associated with each item and the frequency of inspections. The inspection schedule is identified in Appendix C of this program.

In addition to inspecting all aspects of the operations, periodic reviews are to be conducted to verify appropriate documentation of inspections, meetings, training, driver qualification files, etc. These reviews are conducted once or twice annually by area designated personnel as part of the environmental, safety and health audit. Where possible, audits/reviews are completed by personnel not affiliated with the facility to achieve maximum objectivity.

## **(2) Accident/Injury Investigation**

UNIVAR is self-insured and has a vested interest in preventing occupational accidents, injuries or illnesses. Employees are required to report all incidents no matter how minor they might appear to be. Following a report of an incident, the supervisor/manager in charge is required to investigate each incident and document the findings in an *Incident Report* and enters the incident investigation into the Enablon incident management system. The report addresses:

- a) Type of Incident: Was it an employee injury, a near miss, etc.?
- b) Description: What happened? What are the facts of the incident?
- c) Root Cause: Why did the incident happen? Focuses on objective causes of the incident.

- d) Recommendations: – What corrective actions need to be taken to prevent reoccurrence.

This investigation process is designed to monitor and identify trends in employee behavior as well as the physical processes in the facility. The safety committee also reviews all *Incident Reports* for the previous month to determine/review the root cause of each incident and suggest corrective/disciplinary action if appropriate. A copy of the *Incident Report* form is included in Appendix E of this program.

### (3) Corrective Action

An inspection program is only as effective as its corrective action plan. UNIVAR has two types of written corrective action plans. The remedial action section(s) of the Daily, Weekly and Monthly Inspection Forms addresses the deficiencies discovered during routinely scheduled inspections. The Safety Environmental Review Action Report addresses the deficiencies discovered during annual/biannual environmental, health and safety audits. UNIVAR's policy regarding corrective action related to cases of imminent danger is also discussed below.

The Inspection Forms list the items identified as deficient; the remedial action required correcting the deficiencies and the date that corrective action is to be completed. Items identified as deficient are ranked based on the severity of the potential hazard, i.e. items with high hazard potential are given priority over items with low hazard potential. Records of remedial action as part of the Inspection Forms will be maintained according to the facility's Record Retention Policy. Copies of the Inspection Forms are given in Appendix C of this program.

The Safety Environmental Review Action Report is designed to identify deficiencies during the environmental health and safety audits; establish corrective action; the identity of the person(s) responsible for the corrections and the date of completion for each item. The Safety Environmental Review Action Report is to be reviewed by and certified by the Transportation Manager.

In cases where an imminent danger exists which can not be abated without endangering the health or safety employees, all personnel must be evacuated from the area except those necessary to correct the hazard. Employees selected to correct the hazard must be provided with all proper safeguards before taking corrective action.

### (F) Training

Because of the physical nature of chemicals handled daily at Univar training is a vital part of our operations. The primary purpose of a training program is to inform employees of the potential occupational hazards identified in the general work place and those specifically related to each job assignment. Further, the training program is designed to inform employees of the most effective means of minimizing the potential hazards associated with each job assignment. This includes safe working conditions, safe work practices and personal protective equipment.

Univar Training Program divided into three major components: initial, ongoing and refresher training. All training is entered and managed through the Learning Management System (LMS). Hardcopy training attendance sheets are also maintained as backup documentation at the branch location. Training requiring testing, results of the tests are also included in the documentation. Training records are retained based on the retention schedule defined by the Legal Department. All records are maintained at least the previous 5 years. Each component of the training program is identified below.

(1) **Initial Training**

a) Administrative employees are trained on general office hazards and their limitations within operations areas. Additionally, administrative employees are trained on hazards associated with the classes of chemicals found on site, how to protect themselves in the event of an emergency and proper evacuation procedures. This is primarily accomplished through the Hazard Communication Program and the Contingency Plan.

b) Operations personnel are trained based on the duties and functions to be performed in an emergency response organization. There are two categories:

1. Operations personnel are required to complete a 24 hour training program consistent with OSHA's requirements set forth in 29 CFR Section 1910.120(q)(6) for *Hazardous Materials Technicians*. The 24 hour OSHA training program consists of all of requirements set forth above for the *First Responder Operations level* as well as:

- Emergency response plan implementation.
- Classification, identification and verification of known and unknown materials by the use of field survey instruments and equipment.
- Chemical and toxicological terminology and behavior.
- Being able to function in an assigned role in the Incident Command System.

2. Transportation managers and supervisors are required to complete a 24 hour training program consistent with OSHA's requirements set forth in 29 CFR Section 1910.120 (e)(3). The 24 hour OSHA training program consists of:

- Emergency response plan development and implementation.
- Hazard and risk assessment techniques.

- Selection and use of personal protective equipment.
- Safe use of engineering controls and equipment on the site.
- Medical surveillance (symptoms and signs which might indicate overexposure to hazards).
- Decontamination procedures.
- Confined space awareness.
- Spill containment program development and implementation.

Also, consistent with OSHA's training requirement set forth in 29 CFR Section 1910.120(e)(4), operations supervisors and managers are required to receive an additional 8 hour training program on:

- The company's safety & health program(s).
- The company's employee training program(s).
- The company's personal protective equipment program(s).
- The company's spill containment program(s).
- The company's health hazard monitoring procedures and techniques.

Employees who can demonstrate by means of documentation, through either previous work experience or equivalent training competency in the above mentioned areas will be exempted from the initial training.

(2) **Ongoing Training**

The second component of Univar training program is ongoing training. Ongoing training is designed to instruct employees on new policies and procedures, changes in facility equipment, processes, or materials handled and address issues of concern and/or trends. It is also designed to reinforce previous training if management deems it necessary.

Ongoing training is facilitated through monthly safety meetings. Safety meetings are scheduled in advance and attendance is mandatory. Safety meetings are designed to provide an opportunity for employees to express their concerns about any particular aspect of our operations or make suggestions on enhancing operations or minimizing the potential hazards associated with a specific job function.

(3) **Refresher Training**

The third component of Univar training program is refresher training. Refresher training is required for specific training topics. It is intended to maintain a high level of proficiency throughout employment and ensure constant updates of training information. A list of required refresher training is included in Appendix F of this program.

(G) **Communication**

UNIVAR requires its employees to participate in the safety program. The opportunity to participate in the safety program is facilitated through safety meetings; safety committee meetings and Management's Open Door Policy. Management monitors employee behavior and addresses these behaviors through the company's safety award program and progressive disciplinary action policy.

(1) **Safety Meetings**

The first and most often utilized avenue of communication is the monthly safety meetings. Because management participates in all safety meetings, it is the most convenient means of establishing a two-way dialogue between employees and management. Safety meetings are divided into two parts. The first part is the training session, which provides information on new policies, procedures, equipment, or process changes.

The second part of the safety meeting is to allow employees and management to discuss any concerns.

(2) **Safety Committee Meetings**

UNIVAR also holds monthly safety committee meetings for a duration of 30-60 minutes, depending on meeting content. The safety committee is comprised of at least one Branch Operations Supervisor/Manager and representatives from each operating area of the facility. The responsibilities of the safety committee include:

- To serve in planning the facility's safety program; to take a leading role in making the program operate successfully and to influence others to work safely.
- To plan and organize employee safety meetings, including training aids, outside speakers, etc.
- To establish procedures for handling suggestions and recommendations and prepare minutes of its meetings and employee safety meetings.

- To study and recommend adoption of changes to procedures pertaining to the use of personal protective equipment or devices for the elimination or control of hazards based on suggestions of operation personnel.
- To establish a system of follow-ups and deadlines on all recommendations to the committee to see that compliance is achieved.
- To review Incident Notifications for completeness and to make recommendations to management in regards to corrective actions, disciplinary actions, etc.
- To ensure an accident-free operation through constant monitoring of conditions, preventative maintenance and the establishment of safe operating procedures with the help and recommendations of operations personnel.
- To ensure that the safety and health policy of the company is communicated to every employee and that such policy is effectively implemented.
- To communicate new safety ideas to area management so that all facilities may benefit.
- To document committee attendees, discussion topics, action items and a corrective action schedule to meet recordkeeping and follow-up requirements.
- To ensure compliance with federal, state and local safety regulations.

### **(3) Management's Open Door Policy**

UNIVAR recognizes that some employees will be less comfortable discussing health and safety issues in open forum situations such as the monthly safety and safety committee meetings. For this reason, UNIVAR has chosen to adopt an Open Door Policy. This policy encourages employees to discuss any health and safety concerns with management by allowing them to present the issue to a supervisor either directly or on an anonymous basis at any time without fear of reprimand or reprisal. The supervisor must investigate the issue and report the findings to the employee that originally presented the issue. The supervisor must take corrective action, where applicable, within a reasonable amount of time.

## **(H) US Recognition Program Overview**

### **(1) ABCD Recognition (Above and Beyond the Call of Duty)**

Employees may be nominated for going above and beyond the call of duty in any aspect of their job related to health and safety, regulatory compliance or operational excellence. Nominations are forwarded to the ROM who meets monthly with a committee of regional and national EHS and operations personnel to award ABCD letters of recognition. The letters are a token of appreciation for taking the time and initiative to go above and beyond the call of duty. Any IC employee can be nominated for ABCD recognition.

### **(2) Group Annual Recognition**

Branches receive a perpetual plaque for 'years without an OSHA recordable injury'. An annual tag will be presented to each branch after every year in which all employees at the branch have had no recordable injuries. The annual tag will be hung from a plaque that hangs in the branch reception area to show suppliers, customers, inspectors, and members of our communities that we are "Serious About Safety."

**(I) Progressive Disciplinary Action Policy**

UNIVAR is committed to protecting the health and safety of its employees and will take all actions necessary to ensure that employees comply with safe work practices and the use of personal protective equipment. Employees who consistently violate company policies and procedures with respect to health and safety will be subject to disciplinary action up to and including termination.

**(J) Recordkeeping**

This HIPP and its components including hazard identification, Standard Operating Procedures, inspections, training program, communication, and all other forms of documentation associated with this program will be maintained for three (3) years unless otherwise specified by other statute or the company's *Record Retention Policy*. This Program and any records associated with it will be available for inspection or review by employees, government agencies, vendors, contractors or other selected parties.

**(K) Program Reviews**

As part of UNIVAR's commitment to the health and safety of its employees, this and all other programs associated with these issues will be reviewed to ensure their effectiveness and applicability. Applicable CalOSHA standards are reviewed to ensure compliance at the branch location. CalOSHA standards are incorporated into the branch standard operating procedures where applicable. Any policies or sections found to be inadequate will be revised, updated and implemented into the respective program. Employee training will be conducted for any changes made to this or related programs.



The Public Health and Safety Organization

## NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, February 10, 2026** at 12:15 a.m. Eastern Time. Please contact NSF to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?>

[CompanyName=Univar&ChemicalName=Citric+Acid&](http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Univar&ChemicalName=Citric+Acid&)

---

### NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects

---

#### Univar Solutions Canada Ltd. DBA Univar Canada Ltd.

64 Arrow Road  
North York, ON M9M 2L9  
Canada  
416-740-5300

**Facility :** Abbotsford, British Columbia, Canada

#### Citric Acid

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
CITRIC ACID 50%[1]	Well Cleaning Aid Membrane Cleaner	NA
CITRIC ACID 50% SOLUTION[1]	Well Cleaning Aid Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions. The well is to be properly flushed and drained before being placed in service.

**Facility : Guelph, Ontario, Canada****Citric Acid[2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 50%	Membrane Cleaner	NA

[2] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

**Facility : Valleyfield, Québec, Canada****Citric Acid**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
CITRIC ACID 50%	Well Cleaning Aid Membrane Cleaner	NA
CITRIC ACID 50% SOLUTION	Well Cleaning Aid Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

**Univar Solutions USA**

3075 Highland Parkway  
Suite 200  
Downers Grove, IL 60515  
United States  
425-889-3400

**Facility : Fresno, CA**

**Citric Acid[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 30%	Membrane Cleaner	NA
Citric Acid 50%	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Redwood City, CA**

**Citric Acid[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid, 50%	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacture's use instructions.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Santa Fe Springs, CA**

**Citric Acid[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid, 50%	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Visalia, CA**

**Citric Acid[1]****Trade Designation**

Citric Acid, 50%

**Product Function**

Membrane Cleaner

**Max Use**

NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following the manufacturer's use instructions.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Denver, CO****Citric Acid[1] [2]****Trade Designation**

Citric Acid 50% Solution

**Product Function**

Membrane Cleaner

**Max Use**

NA

- [1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
- [2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Distribution Center - Dallas, GA****Citric Acid****Trade Designation**

Citric Acid 50%

**Product Function**

Membrane Cleaner

**Max Use**

NA

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Geneva, NY**

**Citric Acid[1] [2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 50%	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following the manufacturer's use instructions.

[2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Charlotte, NC****Citric Acid[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid, 50% Solution	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Altoona, PA****Citric Acid[1] [2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 50%	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following the manufacturer's use instructions.

[2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Spartanburg, SC****Citric Acid[1] [2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid, 50% Solution	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following the manufacturer's use instructions.

[2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Salt Lake City, UT****Citric Acid**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 50% Solution[1] [2]	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

[2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

**Facility : Houston, TX****Citric Acid[1] [2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Citric Acid 50% Solution	Membrane Cleaner	NA

[1] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.

[2] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.

NOTE: Only products bearing the "NSF 60" designation are Certified by NSF International.

---

Number of matching Manufacturers is 2

Number of matching Products is 18

Processing time was 0 seconds

**CERTIFICATE OF ANALYSIS**



Univar Solutions  
 4465 E. Florence Ave  
 Fresno, CA 93725  
 PH: 559-488-4700  
 FAX: 866-486-1624  
[www.univarsolutions.com](http://www.univarsolutions.com)

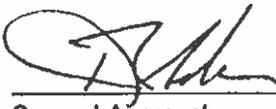
Date: 01/26/2026  
 Product: CITRIC ACID 50%  
 Material Grade: FOOD/KOSHER  
 Material #: 16148043  
 Batch #: 0836R00053  
 Process Order #: 7088303  
 Control #: OU15506

Manufacture Name: UNIVAR SOLUTIONS  
 Manufacture Location: FRESNO, CA  
 Date of Manufacture: 01/23/2026  
 Recommended Retest Date: 01/23/2027

Analysis Description	Test Method	UoM	Specification		Results
			Min.	Max.	
Visual	FO04-101	N/A	Clear and free of suspended particles		Pass
Color	FO04-101	APHA 30	Colorless – Light Yellow		Pass
pH	FO04-106	N/A	To Report		0.88
Specific Gravity, 20°C	FO04-104	N/A	1.220	1.250	1.243
Assay, wt. %	FO04-117	wt. %	49.0%	51.0%	50.4%

Identity of Authorized Individual for Approval,

  
 \_\_\_\_\_ Signature  
 Love Belmontes  
 Operations Coordinator II

  
 \_\_\_\_\_ Signature  
 Second Approval

**Note:** Source Material; Mfg. Citric Acid NON-GMO Batch# 0836R02054 (65,389 lbs).

**GMP compliance:** This batch of product has been handled under cGMP conditions using dedicated equipment.

**Compendial Standards:** This batch of product complies with the current requirements listed in the Food Chemical Codex (FCC) and Kosher specifications.

**Compendial Standards:** Univar Solutions declared Food Grade products are blended using Good Manufacturing Practices (GMP) and a HACCP Plan. Dedicated equipment is used in the process area.

**Safety Data Sheet**  
**CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION****Product name** : CITRIC ACID 50% (Food Grade)**Recommended use of the chemical and restrictions on use****Recommended use** : Food/Drug  
Kosher**Manufacturer or supplier's details****Company** : Univar Solutions USA  
**Address** : 3075 Highland Pkwy Suite 200  
Downers Grove, IL 60515  
United States of America (USA)**Emergency telephone number:**Transport North America: CHEMTREC (1-800-424-9300)  
CHEMTREC INTERNATIONAL Tel # 703-527-3887**Additional Information:** : Responsible Party: Product Compliance Department  
E-mail: SDSNA@univarsolutions.com  
SDS Requests: 1-855-429-2661  
Website: www.univarsolutions.com**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Corrosive to metals : Category 1

Eye irritation : Category 2A

Specific target organ toxicity  
- single exposure : Category 3 (Respiratory system)**GHS label elements**

Hazard pictograms :



Signal word : Warning

**Hazard statements** : H290 May be corrosive to metals.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.**Precautionary statements** : **Prevention:**  
P234 Keep only in original container.  
P261 Avoid breathing mist or vapours.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.  
**Response:**  
P304 + P340 + P312 IF INHALED: Remove person to fresh air  
and keep comfortable for breathing. Call a POISON CENTER/  
doctor if you feel unwell.

## Safety Data Sheet

### CITRIC ACID 50% (Food Grade)

Version 1.11

Revision Date: 12/15/2025

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P390 Absorb spillage to prevent material damage.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P406 Store in corrosive resistant container with a resistant inner liner.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

CAS-No.	Chemical name	Weight percent
77-92-9	Citric acid	50 - 70

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

## Safety Data Sheet

### CITRIC ACID 50% (Food Grade)

Version 1.11

Revision Date: 12/15/2025

If swallowed	: Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation. May cause respiratory irritation.
Notes to physician	: Treat symptomatically.

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray Foam Dry powder Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Neutralize with chalk, alkali solution or ammonia. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against	: Normal measures for preventive fire protection.
------------------------------	---

**Safety Data Sheet**  
**CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

fire and explosion

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Keep away from oxidizing agents and strongly acid or alkaline materials.

---

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.

**Safety Data Sheet****CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Colour	: Clear, colorless, light yellow
Odour	: mild, odorless
Odour Threshold	: No data available
pH	: No data available
Freezing Point (Freezing Point)	: < 0 °C (< 32 °F)
Boiling Point (Boiling point/boiling range)	: > 100 °C (> 212 °F)
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 1.24 - 1.27 @ 25 °C (77 °F) Reference substance: (water = 1)
Density	: No data available
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: -1.8 - -0.2 @ 20 °C (68 °F)
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Incompatible materials	: Metals nitrites Oxidizing agents Reducing agents Strong bases
Hazardous decomposition products	: No hazardous decomposition products are known.

**Safety Data Sheet**  
**CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified due to lack of data.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****77-92-9:**

Species: Rabbit

Result: Irritating to eyes.

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified due to lack of data.

Respiratory sensitisation: Not classified due to lack of data.

**Germ cell mutagenicity**

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT - single exposure**

May cause respiratory irritation.

**Components:****77-92-9:**

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**STOT - repeated exposure**

Not classified due to lack of data.

**Safety Data Sheet**  
**CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

**Aspiration toxicity**

Not classified due to lack of data.

**Further information****Product:**

Remarks: No data available

---

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:****Ozone-Depletion Potential** : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**Additional ecological information** : No data available

---

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods****Waste from residues** : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

**Safety Data Sheet****CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****DOT (Department of Transportation):**

UN3265, Corrosive liquid, acidic, organic, n.o.s., (CITRIC ACID), 8, III

**IATA (International Air Transport Association):**

UN3265, Corrosive liquid, acidic, organic, n.o.s., (CITRIC ACID), 8, III

**IMDG (International Maritime Dangerous Goods):**

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (CITRIC ACID), 8, III

**Special Notes:** : "NOT REGULATED" by the Hazardous Materials Regulations and not subject to placarding when transported by a motor vehicle or railcar in a bulk packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material. Refer to 49 CFR 173.154 (d) "Materials corrosive to aluminum and steel only."

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Corrosive to metals  
Specific target organ toxicity (single or repeated exposure)  
Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

**Safety Data Sheet****CITRIC ACID 50% (Food Grade)**

Version 1.11

Revision Date: 12/15/2025

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

77-92-9

Citric acid

**California Prop 65**

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA	: All substances listed as active on the TSCA inventory
AIC	: On the inventory, or in compliance with the inventory
CA. DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

# Safety Data Sheet

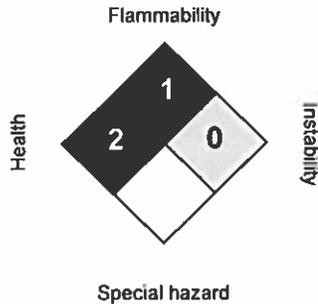
## CITRIC ACID 50% (Food Grade)

Version 1.11

Revision Date: 12/15/2025

### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

HEALTH	2/
FLAMMABILITY	1
PHYSICAL HAZARD	4

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) [SDSNA@univarsolutions.com](mailto:SDSNA@univarsolutions.com).

Revision Date : 12/15/2025

#### Material number:

16225357, 16216861, 16215852, 16212190, 16206572, 16206520, 16170903, 16180505, 16148815, 16164175, 16164333, 16148431, 16147594, 16165323, 16138741, 16143523, 16160625, 16160636, 16160648, 16147501, 16158867, 16148636, 16149772, 16147851, 16144358, 16148047, 16151623, 16150296, 16148403, 16145930, 16149537, 16148043, 16141937, 16141628, 16141538, 16141836

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AiIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration

## Safety Data Sheet

### CITRIC ACID 50% (Food Grade)

Version 1.11

Revision Date: 12/15/2025

EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		



Certificate of Analysis

SEND TO: UNIVAR SOLUTIONS USA INC.  
3 Waterway Square place Suite 1000  
The Woodlands, TX 77 TEXAS  
ESTADOS UNIDOS

ATTN: QCLab

PRODUCT: CITRIC ACID ANHYDROUS GRANULAR \* 50 LB

Customer PO #: 4527924726  
ORDER #: 3446018370  
MATERIAL #: 13642  
Qty Shipped: 3402,00 KG

REPORT DATE: 24/10/25

ANALYTICAL DATA

LOT NUMBER: AG25J121CA  
MFG DATE (dd/mm/yy): 12/09/25  
EXP DATE (dd/mm/yy): 12/09/28  
PACKAGE SIZE: 22,68 KG

REQUIREMENTS	UNITS	RESULTS	MIN	MAX
ASSAY (Anhydrous basis)	%w/w	100,03	99,50	100,50
WATER (Karl Fischer)	%w/w	0,059	0,000	0,500
COLOR OF SOLUTION (sol. 40% w/v, 420 nm)	%T	100,0	99,0	100,0
CLARITY OF SOLUTION (sol. 40% w/v)	NTU	0,746	0,000	3,000
**LEAD (as Pb)	ppm	0,003	0,000	0,500
**CALCIUM (as Ca)	ppm	Not detec.	0,00	75,00
**ARSENIC (as As)	ppm	0,005	0,000	1,000
**MERCURY (as Hg)	ppm	Not detec.	0,000	1,000
**IRON (as Fe, sol. 40% w/v, 670 nm)	ppm	Not detec.	0,00	5,00
**RESIDUE ON IGNITION	%w/w	0,013	0,000	0,050
**EVALUATION OF INSOLUBLES	-	PASS	PASS	PASS
**FOREIGN MATTER	-	PASS	PASS	PASS
**IDENTIFICATION (test IR)	-	PASS	PASS	PASS
**RELATED SUBSTANCES (isocitric acid)	-	PASS	PASS	PASS
**UV ABSORBANCE	-	PASS	PASS	PASS
**ORGANIC VOLATILE IMPURITIES	-	PASS	PASS	PASS
CARBONIZABLE SUBSTANCES (1g, 470 nm)	-	PASS	PASS	PASS
ODOR (Characteristic odor)	-	PASS	PASS	PASS
APPEARANCE	-	WHITE CRYSTAL	PASS	PASS
TASTE (Strong acid taste)	-	ACIDIC	ACIDIC	ACIDIC
**OXALATE (as oxalic acid dihydrate, 520nm)	ppm	<100	0	100
**HEAVY METALS (as Pb)	ppm	<5,0	0,0	5,0
**SULPHATES (as sulphate, sol. 40% w/v)	ppm	<150	0	150
**TRIDODECYLAMINE	ppm	<0,1	0,0	0,1
RETAINED ON 1400 um US STD 14	%w/w	0,16	0,00	5,00
PASS THRU 300 um US STD 50	%w/w	0,18	0,00	10,00

\*\*NOTE: Test made by skip\_lot\_model.

\* NOTE: No potential such substances to be present in process.

Non - GMO Project Verified

This material conforms to current EP, Commission Regulation (EU) No. 231/2012 (E330), USP, FCC, JSFA & JP.

The data in this COA has been verified by plant QA manager or designee.

REPORTED BY Leslie Katherine Rueda  
Directora Calidad Citrico

lkrueda@sucroal.com.co, Phone: 57(2)4310 764



## ANHYDROUS CITRIC ACID

according to 29 CFR 1910.1200

---

### SECCIÓN 1. PRODUCT IDENTIFICATION

---

#### 1.1 GHS Product Identifier

ANHYDROUS CITRIC ACID

This SDS applies to the following product presentations: granular, fine and extra fine, solution grade.

#### 1.2. Others mean of identification

- Ácid 2-hidroxi 1,2,3-propanotricarboxílico.
- Beta hydroxytricarboxylic acid.Número
- CAS: 77-92-9.
- EC Number: 201-069-1

#### 1.3 Recommended use of the chemical and restrictions.

Industrial use: additive and preservative in the food industry, raw material in the production of citrates (calcium citrate, magnesium citrate, potassium citrate, sodium citrate, zinc citrate), acidifier and pH regulator. NOT suitable for domestic use or other applications. It is NOT a food.

#### 1.4 Supplier information

SUCROAL S.A.

Km 18 Straight Cali Palmira deviation Candelaria 1 Km

00000 Palmira - Valle - Colombia

Phone: (+062) 4310500

[info@sucroal.com.co](mailto:info@sucroal.com.co)

[www.sucroal.com.co](http://www.sucroal.com.co)

SUCROAL S.A.

Phone: ( 57) 3102563315 (24 hours 7 day from Colombia)

Phone: (0672) 4310774 (Monday a Friday, 8am - 5pm from Colombia)

USA Phone and Address

+17864142149 (24 hours 7 day)

Miami, FL, 1 Aeropost Way Zip Code 33206-3206 Sucroal SA BOG-511879

Distributed by:

**Univar Solutions USA**

3075 Highland Pkwy Ste 200

Downers Grove, IL 60515

Telephone: 1-855-429-2661

Emergency phone number:

CHEMTREC 1-800-424-9300

---

### SECTION.2 PRODUCT IDENTIFICATION

---

#### 2.1 Classification of the substance or mixture

Serious eye damage/eye irritation (Category 2A)

#### 2.2 GHS label elements, including precautionary statements



WARNING

Causes serious eye irritation

Precautionary statements



Wear eye and face protection equipment.  
Store only in original container.  
Keep container tightly closed.  
Avoid dispersion and accumulation of dust.  
Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking.  
Take precautionary measures against electrostatic discharge.  
Grounding and equipotential bonding of the container and the receiving equipment.  
Use explosion-proof equipment, electrical material, ventilation and lighting.  
Do not use tools that produce sparks.  
Do not eat, drink or smoke while handling the product.  
Wash hands and face thoroughly after handling.  
Store in a cool, well-ventilated, explosion-proof place.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when present and can be done easily. Continue with the wash.  
See an ophthalmologist immediately.  
In case of contact or exposure, call a doctor if the person feels unwell.

### 2.3 Other hazards that do not lead to a classification

May form explosive dust-air mixture if dispersed.

---

## SECCIÓN 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

Citric acid (77-92-9)

Additional Information

Does not apply.

### 3.2 Mixtures:

N/A

---

## SECTION 4. FIRST AID

---

### 4.1 Description of necessary first aid

#### INHALATION

Transport person to fresh air and keep in a position that facilitates breathing.

#### INGESTION

DO NOT induce vomiting. Rinse mouth with water and spit out. Give to drink one or two glasses of water in small proportions. Caution: never give anything by mouth to an unconscious person.

#### SKIN CONTACT

Remove all contaminated clothing. Rinse skin with plenty of water or shower for at least 15 minutes. DO NOT apply creams or ointments. Wash contaminated clothing before reuse.

#### EYE CONTACT

Immediately flush with a gentle but abundant stream of water for at least 15 uninterrupted minutes, separating the eyelids with the fingers. If applicable, remove contact lenses, if it can be done easily. continue washing.

### 4.2 Most important symptoms/effects, acute and delayed

The main symptoms are redness of the eyes, tearing, blurred vision and itching sensation in the affected part of the body. The only known acute effect of the product is reversible eye irritation. There are no known possible delayed effects of the product.

### 4.3 Indication of the need to receive immediate medical attention and, where appropriate, special treatment

In case of contact with eyes, see an ophthalmologist immediately. In case of contact or exposure, seek medical attention if the person feels unwell. Bring the tag or a photo of it. Follow supportive and symptomatic treatment



according to the person's condition.

---

### SECTION 5. FIRE-FIGHTING MEASURES

---

#### 5.1 Appropriate Extinguishing Media

Foam, dry chemical or halon (considering also the surrounding fire).

If water is used, it should be applied in overflowing amounts in spray or mist form.

#### 5.2 Specific hazards of the chemical

May form explosive dust-air mixture if dispersed in confined spaces. During combustion, toxic fumes of carbon monoxide and carbon dioxide may be produced.

In a solid state, dust particles can increase the probability of explosion in confined spaces.

#### 5.3 Special measures to be taken by fire fighting teams

Extinguish fire from a safe distance. If the fire is outdoors or in a drafty area, always face the wind at your back, never head on. If the situation warrants, wear an encapsulating suit with self-contained breathing apparatus (SCBA) to prevent contact with high concentrations of airborne vapors or fumes. Move unaffected containers from the fire area, if it can be done safely. Avoid dispersion of the product in the air. Prevent the waste generated in the fire from reaching the drains.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

---

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

Use recommended PPE (see Section 8). Isolate the contaminated area. Avoid dispersion of the product. Keep away from heat, ignition sources, sparks and open flames. No Smoking. Do not use tools that produce sparks.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Dispose of used material and product residues in such a way that they do not represent a danger to people or the environment (see Section 13). Spills of large quantities in water or soil must be reported to the competent authorities.

#### 6.3 Methods and materials for containment and cleaning of spills

DO NOT spread the product. Small spills can be controlled by absorbing the product with absorbent cloths moistened with water. Large spills can be controlled by vacuuming or by wet methods. Do not sweep or control spill by blowing. Do not use combustible materials such as sawdust. Collect immediately in stainless steel containers with tight lids. Ultimately, clean the affected area with water.

#### 6.4 Reference to other sections:

See sections 8 and 13.

---

### SECCIÓN 7. MANIPULATION AND STORAGE

---

#### 7.1 Precautions to be taken to ensure safe handling

Use recommended PPE (see Section 8). Store only in original container. Keep container tightly closed, when not in use and when transporting. Avoid dispersion and accumulation of dust. DO NOT use in confined spaces. Open the container slowly, avoiding dispersing the product. Preserve the bags containing the product. Do not sift, grind, grind or any other operation that decreases the particle size and generates dust dispersion. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No Smoking. Take precautionary measures against electrostatic discharge. Grounding and equipotential bonding of the container and the receiving equipment. Ideally transfer in closed explosion-proof systems. When pouring, avoid free pouring from the container. Use explosion-proof equipment, electrical material, ventilation and lighting. Do not use tools that produce sparks. Keep the workplace clean and orderly. DO NOT sweep or blow, vacuum or use wet methods to clean. Store the product in the original container, do not transfer to another container. If it is necessary to transfer, do so in a stainless steel container and remember to label. DO NOT mix with incompatible substances (see Section 10). DO NOT use for other purposes (NOT suitable for domestic use). Do not eat. Keep away from food and drinks. DO NOT eat, drink or smoke when handling this product. Change contaminated clothing before leaving work and wash before reuse. Wash hands and face thoroughly after handling and before eating, drinking or smoking. Dispose of contents and packaging in accordance with Section 13.



### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area, ideally with localized exhaust. Keep away from heat, moisture, sources of ignition and incompatible substances (see Section 10). Recommended storage temperature: greater than or equal to 5°C. Maximum storage time: 2 years. Store only in the original container, tightly closed. Store in stainless steel containers. Once the containers are opened, close hermetically and in an upright position to avoid spillage. Protect the container and label from physical damage.

### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

---

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### 8.1 Control parameters

The ACGIH® TLV® and BEI® values are protected by copyright.  
Danger group (control banding): A.

### 8.2 appropriate engineering controls

A general ventilation system is recommended to prevent the accumulation of dust in the air and/or localized extraction with an anti-explosion system. In general, a localized exhaust system is preferred because it can control emissions at their source, preventing their dispersal into the work environment. Have facilities and equipment with anti-explosion systems. Have electrostatic discharge control systems. Have detection systems and fire extinguishing equipment. Have eyewash fountains close to the places where the product is used.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Wear a face shield or glasses with a full frame (monoglasses).

Hand protection:

Wear nitrile rubber gloves (minimum thickness 0.8 mm).

Body protection:

Wear natural fiber or antistatic clothing, without outer pockets. Wear safety shoes for chemical agents, with antistatic protection. In the event of spills, it may be necessary to wear a protective suit against chemical agents.

Respiratory protection:

Not required under normal use conditions.

In the event of a spill, use a full face mask with a particle filter with a minimum efficiency of 95%.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

---

**Physical state:** Solid

**White color**

**Smell:** odorless

**Melting point / freezing point:** 153°C

**Boiling point or initial boiling point and boiling range:** not available

**Flammability:** Combustible Dust

**Upper and lower explosion/flammability limits:** not applicable

**Flash point:** not applicable

**Autoignition temperature:** not applicable

**Decomposition temperature:** 175°C

**pH:** 1.5-1.6 at 20°C (10% w/w in water)

**Kinematic viscosity:** not applicable

**Solubility:** 750 g/l (20°C)

**Partition coefficient n-octanol/water:** -1.57



Vapor pressure: not applicable

Density and/or relative density: 1.66 g/cm<sup>3</sup> (18°C, aqueous solution)

Relative vapor density: not applicable

Particle characteristics: not applicable

Particle size:

Presentation	Mesh (µm)	% Retention
Granular	1.400 (ASTM-E11, N° 14)	5,0 (máximo)
Fine	600 (ASTM-E11, N° 30)	1,0 (máximo)
Superfine	250 (ASTM-E11, N° 60)	35 (máximo)
Solution grade	Blend of different particle sizes (particle size is not tested)	n/a

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

May form explosive dust-air mixture if dispersed.

Information for the product in solution: can attack metals.

### 10.2 Chemical stability

Stable under normal conditions of temperature and pressure. Stable in contact with light and humidity. May form explosive dust-air mixture if dispersed. Thermally decomposes at 175°C.

### 10.3 Possibility of hazardous reactions

It reacts exothermically (releasing large amounts of heat), in contact with oxidizing agents, bases, reducing agents and metals.

### 10.4 Conditions to Avoid

Dispersion and accumulation of the product in the air. Lockdown. Heat, hot surfaces, open flames, sparks, electrostatic discharge, and other sources of ignition. Very dry atmospheres.

### 10.5 incompatible materials

Oxidizing agents, bases, reducing agents, metals.

### 10.6 Hazardous decomposition products

Methyl maleic anhydride.

## SECTION 11. TOXICOLOGICAL INFORMACION

The classification was made based on the result of the acute inhalation toxicity test and the information available in reliable databases for the product. The only known acute effect of the product is reversible eye irritation. There are no known chronic effects of the product. Symptoms associated with product exposure are described in Section 4.

### Likely routes of exposure

Ingestion, skin/eye exposure, inhalation.

### ACUTE TOXICITY

LD50 (oral, rats) = 11,700 mg/kg (equivalent to OECD 401)

LD50 (dermal, rats) > 2,000 mg/kg (equivalent to OECD 402)

LC50 (inhalation, rats) > 5 mg/l, 4 hours (OECD 433)

### SKIN CORROSION/IRRITATION

Mean value equal to 0 for erythema/eschar and for edema in the six animals tested (rabbit), at 24, 48 and 72 hours after patch removal (OECD 404).



### **SERIOUS EYE DAMAGE/EYE IRRITATION**

Mean value equal to 0 for opacity of the cornea and iritis and greater than 2 for redness and edema of the conjunctiva, in the three animals tested (rabbit), at 24, 48 and 72 hours after removing the patch. Effects reversible after 14 days of trial (OECD 404).

### **RESPIRATORY OR SKIN SENSITIZATION**

Not a skin sensitizer, in a test on guinea pigs (OECD 406).

### **GERM CELL MUTAGENICITY**

Not available.

### **CARCINOGENICITY**

Product not included in the IARC classification list.

### **REPRODUCTIVE TOXICITY**

Not available.

### **SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY - SINGLE EXPOSURE**

Not irritating to the respiratory tract and not narcotic, according to the results of the acute inhalation toxicity test in rats (OECD 433).

### **SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY - REPEATED EXPOSURE**

Not available.

### **ASPIRATION HAZARD**

Based on the product properties, the product is not hazardous by aspiration.

### **OTHER INFORMATION**

Not available.

---

## **SECCIÓN 12. ECOTOXICOLOGICAL INFORMATION**

---

The classification was made from the information available in reliable databases for the product. The product is not expected to be acutely toxic to the aquatic environment, to be persistent, or to bioaccumulate in the environment. No other information available.

### **12.1 Toxicity**

LC50 (Leuciscus idus melanotus, 48 h) = 440 mg/l (OECD 203)

### **12.2 Persistence and degradability**

Readily biodegradable: 97%, 28 days (OECD 301 B)

### **12.3 Bioaccumulative potential**

Log Kow < 0 (see section 9)

### **12.4 Mobility in soil**

Not available.

### **12.5 Other Adverse Effects**

Not available.

---

## **SECCIÓN 13. INFORMATION REGARDING THE DISPOSAL OF THE PRODUCTS**

---

### **13.1 Disposal methods**



Dispose of contents and container in accordance with local regulations. Empty containers retain product residue and can be dangerous. Handle the container and its contents with due care (see Section 7). Use, mixtures or contamination may change the options for the disposal of this product. Recycle plastic and paper bags, if possible. Do not use empty bags to contain food or for domestic purposes. Large quantities of product, plastic bags and paper bags that cannot be recycled must be delivered to an authorized hazardous waste manager. Final disposal method for the product: landfill (prior neutralization of the product). Final disposal method for bags: incineration.

---

### SECCIÓN 14. INFORMATION REGARDING TRANSPORTATION

---

#### 14.1 Número ONU

Not applicable.

#### 14.2 UN proper shipping name

Not applicable.

#### 14.3 Transport Class(es)

Not applicable.

#### 14.4 Packing group/packaging if applicable

Not applicable.

#### 14.5 Environmental risks

Does not apply.

#### 14.6 Special precautions for user

Preserve the bags during loading, transport and unloading, in order to avoid breaking the bags and dispersing the product (consider the size and weight of the bags). Carry out loading and unloading operations in well-ventilated areas. Wear eye protection.

#### 14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC Code

Does not apply.

#### 14.8 With regard to IMDG 39-18:

Does not apply.

---

### SECCIÓN 15. REGULATORY INFORMATION

---

#### 15.1 Specific provisions on safety, health and environment for the product in question

##### international provisions

Product not subject to the Montreal Protocol, Stockholm Convention, Rotterdam Convention, Minamata Convention.

##### Provisions applicable to Colombia

- Decree 1496/2018. Ministry of Labor.
- Resolution 773/2021. Ministry of Labor.
- Decree 4741/2005. Ministry of Environment, Housing and Territorial Development.



## 15.2 US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

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

Not listed.

**Toxic Substances Control Act (TSCA)**

**Superfund Amendments and Reauthorization Act of 1986**

**(SARA) SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** YES

**Classified hazard categories**  
**Categories**

Combustible dust  
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)**

Contains component(s) regulated under the Safe Drinking Water Act.

**Food and Drug**

Total food additive

**Administration (FDA)**

Direct food additive

GRAS food additive

**US state regulations**

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**



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 – Listed as Active	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### SECCIÓN 16. OTHER INFORMATION

This Safety Data Sheet was prepared in accordance with the 6th revised edition of the GHS (2015) and Regulation No. 773/2021 of the Ministry of Labor of Colombia, (applies to regulations for Colombia). Additionally, it is generated with the 2012 communication guidelines. 29 CFR 1910.1200

#### Abbreviations used

ACGIH®: American Conference of Governmental Industrial Hygienists.

BEI®: Biological Exposure Indices.

CAS: Chemical Abstract Service.

CL: Lethal concentration.

LD: lethal dose.

EC: European Commission.

PPE: Personal Protection Equipment.

SDS: Safety Data Sheet.

IARC: International Agency for Research on Cancer.

OECD: Organization for Economic Cooperation and Development.

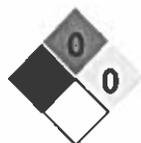
GHS: Globally Harmonized System of classification and labeling of chemical products.

TLV®: Threshold Limit Values.

#### Hazard Statement Codes

[H319] Causes serious eye irritation

#### NFPA 704 Classification



Inflamability: 0

Health: 1

Reactivity: 0

Special Risk: None



# Sucroal

Science and innovation for a  
sustainable future

## Safety Data Sheet

Broadcast date: 29/01/2025

Versión: 05

### Change control

Versión	Date	Modifications
01	18/10/2019	First version.
02	01/06/2021	All sections.
03	02/04/2024	All sections. Information associated with KST is included
04	28/06/2024	Solution grade particle size is attached and version is updated
05	29/01/2025	Add address and telephone number United States

next review: 02/04/2028

SUCROAL S.A. provides the information contained herein in good faith, but neither the company nor its representatives are responsible for its accuracy or completeness, nor do they make any express or implied warranty or guarantee, including without limitation warranty of merchantability or fitness for a particular purpose with respect to the information set forth in this document or to the product to which the information relates. This document is intended to be a guide only for handling the material with appropriate caution by a person suitably trained in the use of this product. Before using this substance it is the responsibility of the user of this SDS to verify the information contained herein. Consequently, SUCROAL S.A. and its representatives will not be responsible for the damages caused by the use of the product relying on this information or for subjective interpretations given to this safety data sheet. The fact of possessing this SDS indicates that the previous declarations are accepted

---



# CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)  
05/30/2025

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

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

<b>PRODUCER</b> Aon Risk Services Central, Inc. Philadelphia PA Office 100 North 18th Street 15th Floor Philadelphia PA 19103 USA	<b>CONTACT NAME:</b> PHONE (A/C No. Ext): (866) 283-7122      FAX (A/C No.): 800-363-0105		
	<b>E-MAIL ADDRESS:</b>		
<b>INSURED</b> Univar Solutions USA LLC 3075 Highland Parkway Suite 200 Downer's Grove IL 60515 USA	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	INSURER A: Illinois Union Insurance Company		27960
	INSURER B: ACE American Insurance Company		22667
	INSURER C: ACE Fire Underwriters Insurance Co.		20702
	INSURER D: Indemnity Insurance Co of North America		43575
	INSURER E:		
INSURER F:			

**COVERAGES**      **CERTIFICATE NUMBER: 570106220337**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.      **Limits shown are as requested**

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WYD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		XSLG48983340 SIR applies per policy terms & conditions	06/01/2025	06/01/2026	EACH OCCURRENCE \$3,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$3,000,000 MED EXP (Any one person) Excluded PERSONAL & ADV INJURY \$3,000,000 GENERAL AGGREGATE \$3,000,000 PRODUCTS - COMP/OP AGG \$3,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		ISA H11357362 Commercial Auto	06/01/2025	06/01/2026	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS MADE DED <input checked="" type="checkbox"/> RETENTION \$5,000,000		XCEG27380566012	06/01/2025	06/01/2026	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000
D	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in MI) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	WLRC72794515 AOS SCFC72794527 WI	06/01/2025	06/01/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER EL EACH ACCIDENT \$1,000,000 EL DISEASE-EA EMPLOYEE \$1,000,000 EL DISEASE-POLICY LIMIT \$1,000,000
A	Environmental Site Liability		G71507944 003 Pollution-ClaimsMade Form SIR applies per policy terms & conditions	06/01/2025	06/01/2028	Aggregate \$10,000,000 Ea Condition \$1,000,000 SIR \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 ADDITIONAL INSURED STATUS PROVIDED FOR ALL OF THE ABOVE POLICIES (EXCEPT WORKERS COMP) & WAIVER OF SUBROGATION IS AWARDED AS REQUIRED BY WRITTEN CONTRACT.

<b>CERTIFICATE HOLDER</b>	<b>CANCELLATION</b>
Univar Solutions USA LLC 3075 Highland Parkway Suite 200 Downer's Grove, IL 60515 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  <i>Aon Risk Services Central, Inc</i>

Holder Identifier :

Certificate No :



# ADDITIONAL REMARKS SCHEDULE

AGENCY Aon Risk Services Central, Inc.		NAMED INSURED Univar Solutions USA LLC	
POLICY NUMBER			
CARRIER	NAIC CODE	EFFECTIVE DATE	

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
 FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER	
INSURER	
INSURER	
INSURER	

**ADDITIONAL POLICIES** If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

INSTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
	AUTOMOBILE LIABILITY							
B				MMT H11357404 Truckers Liability	06/01/2025	06/01/2026	Combined Single Limi	\$5,000,000
	WORKERS COMPENSATION							
B		N/A		WCUC72794539 Excess WC--CA OH OR,WA SIR applies per policy terms & conditions	06/01/2025	06/01/2026		
	OTHER							
	Claims Made Form							