

**SECTION IV**

**BAY AREA CHEMICAL CONSORTIUM  
BID CONTRACT DOCUMENTS  
FOR BID NO. 13-2023  
SODIUM HYPOCHLORITE 12.5%**

**\*\*\* 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. 13-2023  
SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%**

I hereby agree to furnish SODIUM HYPOCHLORITE 12.5% 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 Inc.  
Address: 8201 S 212th St.  
City, State, ZIP: Kent, WA 98032  
Phone: 253-872-5040  
Email: jennifer.perras@univarsolutions.com / muniteam-west@univarsolutions.com  
Authorized Representative: Jennifer M. Perras  
Signature:   
Date: 2/16/2023

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER 1 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.

Any order less than 2,000 gal. will be charged an LTL fee of \$475.00 per delivery. If a load is split between multiple sites and the delivery volume is less than 2,000 gal. one LTL fee will apply.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**STANDARD AGREEMENT, PAGE 2 OF 2**

**BIDDER INFORMATION**

1. Legal Name of Bidder:

Univar Solutions USA Inc.

2. Bidder's Street Address:

Muni-8201 S 212th St., Kent, WA 98032 Branch-2461 Crocker Circle, Fairfield, CA 94533

3. Mailing Address:

Muni-8201 S 212th St., Kent, WA 98032 Invoices-62190 Collections Center Drive, Chicago, IL 60693-0621

4. Business Telephone:

800-777-9587

Fax Number: 408-435-1735

5. Type of Supplier:

Sole Proprietor

Partnership

Corporation

LLC

If Corporation, indicate State where incorporated: Illinois

6. Business License Number issued by the City where the Supplier's principal place of business is located.

Number: 1847595

Issuing City: San Jose, CA

7. Supplier Federal Tax Identification Number: 91-1347935

8. Emergency Contact:

Name: Brian Wills

Phone Number: 650-670-7267

9. Order Contact:

Name: Customer Service

Address: Phoenix, AZ

Phone Number: 602-484-4560 Fax Number: 408-435-1735

Email: custSOLWR@univarsolutions.com

10. References:

Company/Agency Name

Contact Name

Phone Number

1) See attached 2 -pages

2) \_\_\_\_\_

3) \_\_\_\_\_

11. Chemical Manufacturer's name and address (if different from Bidder):

K2-950 Loveridge Rd., Pittsburg, CA 94565

Univar-12522 Lo Neitos Rd., Santa Fe Springs, CA 90670

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

T 253-872-5000  
F 253-572-5041  
www.univarusa.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) or David Agam- [dagam@sfgwater.org](mailto:dagam@sfgwater.org)  
Phone: 415-554-4564 | Cell: 415-867-6469

Supply and Delivery of Bulk Sodium Hypochlorite, Caustic Soda and Sodium Bisulfite servicing for the past 10 years.

2. East Bay Mud  
PO Box  
Oakland, CA 946231

Contact: John Grimes, Purchasing  
Email- [john.grimes@ebmud.com](mailto:john.grimes@ebmud.com)  
Supply and Delivery of Bulk Sodium Hypochlorite, Bulk Caustic Soda servicing for the past 10years.

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 2 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 6 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 4 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 6 years

Over the past 10 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.

**Non-Collusion Affidavit  
To Be Executed By Bidder and Submitted With Bid**

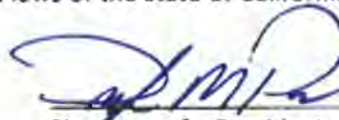
Washington  
State of ~~California~~ )  
 ) ss.  
County of King )

Jennifer M. Perras \_\_\_\_\_, being first duly sworn, deposes and says that he or she is the  
(Bidder's Authorized Representative)

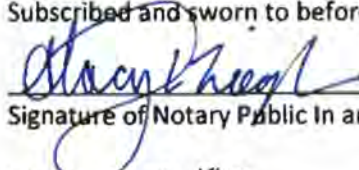
Municipal Specialist of Univar Solutions USA Inc. the party making the  
(Title of Representative) (Legal Name of Bidder)

foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bid, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

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

  
\_\_\_\_\_  
Signature of: President, Secretary,  
Manager, Owner, or Representative

Subscribed and sworn to before me this, 16th day of February, 20 23

  
\_\_\_\_\_  
Signature of Notary Public In and For

The County of King

State of Washington

**All Signatures Must Be Witnessed By Notary**



**BAY AREA CHEMICAL CONSORTIUM  
BID FORM FOR BID NO. 13-2023  
FOR SUPPLY AND DELIVERY OF SODIUM HYPOCHLORITE 12.5%**

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/bacc/>

No later than 4:00 PM. PT  
Thursday, February 23, 2023

Legal Name of Bidder:  
Univar Solutions USA Inc.

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: 2/17/2023

**I. All costs except California State sales tax for the purchase of SODIUM HYPOCHLORITE 12.5% 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.

AFFIDAVIT RE DELIVERY REQUIREMENTS

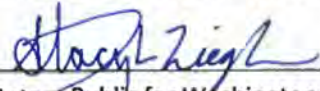
STATE OF WASHINGTON )  
  )  
COUNTY OF KING         )

I, Jennifer Perras, the Municipal Specialist for Univar Solutions USA Inc. ("Univar") being duly sworn, states that I have read RFP#13-2023 and knows its contents and hereby attests that if Univar utilizes the services of a third party hauling company for some or all of its deliveries, Univar will be responsible for ensuring that said hauler can and will deliver the product to each location shown on the bid documents.

Chemical Transfer Co.-3105 El Dorado St., Stockton, CA 95206	#209-466-3554
Bulk Transportation- 415 S Lemon Ave., Walnut, CA 91789	#909-594-2855
Quality Carriers- 2750 Goodrick Ave, Richmond, CA	#510-232-8313
RJ's Transportation-11949 Hawthorne Ave, CA 92345	#909-732-9144

By   
Jennifer M. Perras

SUBSCRIBED AND SWORN to before me this 16<sup>th</sup> day of February 2023, Jennifer M. Perras.

  
Notary Public for Washington, County of King  
My Commission Expires: 10-10-26





**BAY AREA CHEMICAL CONSORTIUM**

**Worksheet**

**BID NO. 13-2023**

**SODIUM HYPOCHLORITE 12.5%**

*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.  
Bid prices shall be based on bulk deliveries of 2,000 gallons or more. 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>Sodium Hypochlorite 12.5%</b>		
<u>Central Valley</u>	gal	\$
City of Lathrop (Veiola NA)		
City of Merced		
City of Modesto		
City of Stockton		
City of Turlock		
Oakwood Lake Water District		
<u>East Bay</u>	gal	\$
Alameda County Water District		
City of Hayward		
City of San Leandro		
Oro Loma Sanitary District		
Union Sanitary District		
<u>Marin Sonoma Napa</u>	gal	\$
Central Marin Sanitation Agency		
City of Mill Valley - Sewerage Agency of Southern Marin		
Las Gallinas Valley Sanitary District		
Marin Municipal Water District		
Napa Sanitation District		
North Marin Water District		
Sanitary District No. 5 of Marin County		
Sausalito Marin City Sanitary District		

DO NOT SUBMIT WORKSHEET  
 ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

**BAY AREA CHEMICAL CONSORTIUM**

**Worksheet**

**BID NO. 13-2023**

**SODIUM HYPOCHLORITE 12.5%**

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Bid prices shall be based on bulk deliveries of 2,000 gallons or more. 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>North Bay</b>	gal	\$
Central Contra Costa Sanitary District		
City of Antioch		
City of Brentwood		
City of Martinez		
City of Pinole (Pinole/Hercules WPCP)		
Contra Costa Water District		
Delta Diablo Sanitation District		
Diablo Water District		
Ironhouse Sanitary District		
Pleasant Hill Recreation & Park District		
Rodeo Sanitary District		
Town of Discovery Bay CSD		
West County Wastewater District		
<b>Peninsula</b>	gal	\$
City of South San Francisco		
City of Burlingame		
City of Daly City/North San Mateo County Sanitation District		
City of Millbrae		
City of San Mateo		
Sewer Authority Mid-Coastside		
<b>Sacramento</b>	gal	\$
Carmichael Water District		
City of Folsom		
City of Roseville		
City of Sacramento		
City of Yuba City		
El Dorado Irrigation District		
Nevada Irrigation District		
Sacramento County Water Agency		

**DO NOT SUBMIT WORKSHEET  
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM**

**BAY AREA CHEMICAL CONSORTIUM**

**Worksheet**

**BID NO. 13-2023**

**SODIUM HYPOCHLORITE 12.5%**

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

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Bid prices shall be based on bulk deliveries of 2,000 gallons or more. 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
<u>South Bay</u> City of Morgan Hill City of Santa Clara City of Sunnyvale City of Watsonville San Jose - Santa Clara Regional Wastewater Facility	gal	\$
<u>Tri Valley</u> City of Livermore Dublin San Ramon Services District Zone 7 Water Agency	gal	\$
<b>Sodium Hypochlorite 12.5% In 275-gal totes (OPTIONAL BID ITEM)</b>		
<u>North Bay</u> Contra Costa Water District	gal	\$
<b>Sodium Hypochlorite 12.5% In Drums (OPTIONAL BID ITEM)</b>		
<u>North Bay</u> Diablo Water District	gal	\$
	Unit of Measure	Bid Price per Unit of Measure
<u>Sacramento</u> Nevada Irrigation District	gal	\$

DO NOT SUBMIT WORKSHEET  
ENTER BID PRICES VIA ELECTRONIC BID PLATFORM

## **NACD Responsible Distribution Process Code of Management Practice**

Each member company shall have an active program designed to continuously improve safety and reduce incidents. This Code does not impose upon member companies any obligation to guarantee compliance by third parties, i.e., parties over whom the member companies have no control. This program shall include:

### **I. Risk Management**

- A. Senior management commitment, through policy, communications, and resources, to on-going improvements in chemical distribution safety.
- B. Regular review with suppliers of the hazards of materials.
- C. Identification and implementation of risk reduction measures.

### **II. Compliance Review and Training**

- A. A process for monitoring regulations and industry practices for their application to chemical distribution activities.
- B. A process for implementing applicable regulations and industry practices that apply to chemical distribution activities.
- C. Training for all employees in the implementation of applicable regulations, as well as member company's specific requirements.
- D. A process for review of employee compliance with applicable regulations and member company's specific requirements and review of outside contractor and re-seller compliance with member company's specific requirements.

### **III. Carrier Selection**

- A. A process for selecting carriers to transport chemicals that includes carrier safety and fitness, security, regulatory compliance, and performance review.

IV. Handling and Storage

- A. Procedures for ensuring that containers are appropriate for the chemical being shipped, comply with regulatory requirements, and are free from leaks and visible defects.
- B. Criteria for the cleaning and re-use of transportation equipment and chemical containers, and the proper disposal of cleaning residues.
- C. Procedures for loading and unloading chemicals at the member company's facilities that result in protection of personnel, a reduction in emissions to the environment, and ensures that chemicals are loaded and unloaded into and out of proper storage facilities.
- D. A program for providing manufacturer guidance and information to customers, warehouses, terminals and/or carriers on procedures for loading, unloading, and/or storing chemicals.
- E. A process for selecting owned and contracted facilities and sites for chemical storage or handling that emphasizes safety, fitness and includes reviews.
- F. Documentation of current operating procedures for handling and storing chemicals.
- G. Facility design, construction, maintenance, inspection, and security practices that promote facility integrity, consistent with recognized codes and regulations.
- H. Develop a process for addressing chemical site and chemical transportation security.
- I. Provisions for control of processes and equipment during emergencies resulting from natural events, utility disruptions, and other external conditions.
- J. Procedures to properly label and mark packages and containers.

V. Job Procedures and Training

- A. Identification of the skills and knowledge necessary to perform each job.
- B. Establishment of procedures and work practices for safe operating and maintenance activities.
- C. Training for all personnel to reach and maintain proficiency in safe work practices and the skills and knowledge necessary to perform their job, including confirmation of competence.
- D. Programs designed to assure that personnel in safety critical jobs are fit for duty and are not compromised by external influences, including alcohol and drug abuse.
- E. Outside Contractors: In areas where hazardous materials are present, members shall have a process in place to inform contractors of the known hazards and the emergency action plan.

VI. Waste Management and Conservation Practices

- A. Procedures to ensure that all self-generated waste and empty containers are disposed of in a responsible manner, and in accordance with existing regulations.
- B. A clear commitment by senior management through policy communications, resources, and programs to ongoing waste reductions and pollution prevention at each member facility.
- C. A commitment to institute resource conservation measures.

VII. Emergency Response and Public Preparedness

- A. A process for responding to, reporting on, and investigating chemical distribution incidents and releases involving the member company's chemicals, and implementation of appropriate preventive measures developed from that investigative process.
- B. A system of internal investigation, reporting, appropriate corrective action, and follow-up for each incident and/or near miss that result or could have resulted in chemical incidents or releases.
- C. Procedures for making emergency response information concerning the member company's chemicals available to response agencies.

- D. Communication with state and/or local emergency planning commissions and response organizations on the potential hazards of the member company's chemicals.
- E. Annual review, testing, and assessment of the operability of the member company's written emergency action and fire prevention plan and/or emergency response plan.
- F. Facility tours for first responders to promote emergency preparedness and to provide current knowledge of facility operations.
- G. Coordination of the written facility emergency response plan with the local emergency response team and other facilities. If no community plan exists, the facility should assist with efforts to create one.
- H. Participation in the Local Emergency Planning Committee's process to develop and periodically test the local emergency response plan.

VIII. Community Outreach

- A. Interaction with organizations, associations, government officials and/or the public on behalf of NACD's Responsible Distribution Process<sup>SM</sup>.
- B. Information and updated for employees on the Responsible Distribution Process<sup>SM</sup> to encourage key employees to become involved in community outreach efforts.
- C. Advocacy of responsible public policies and regulations for chemical distribution.

IX. Product Stewardship

Customers

- A. A process to qualify customers as prescribed by governmental regulation.
- B. Member companies should work with customers to foster appropriate dissemination of information on the proper use, handling and disposal of products commensurate with product risk. A member may decide to cease doing business with customers whose practices are clearly inconsistent with the Responsible Distribution Process<sup>SM</sup>.

X. **Internal RDP Audits**

- A. Member companies shall establish documented procedures for regularly scheduled INTERNAL AUDITS to verify the implementation of policies and procedures supporting the RDP Code of Management Practice. The audits will be used to evaluate the effectiveness of the policies and procedures. Internal Audits shall be done on a yearly basis beginning with successful completion of the Interim Verification Process.
- B. Audits shall be recorded and results brought to the attention of appropriate management personnel who must take timely corrective or preventive action. Annual audit results should be retained until the next Third-party On-Site Verification is completed.

XI. **RDP Corrective and Preventive Action**

- A. Member companies shall establish a CORRECTIVE AND PREVENTIVE ACTION system for RDP related issues. This system should permit the identification and communication of inadequacies or improvements in each member company's implementation of RDP.
- B. Member companies shall establish and maintain procedures for implementing corrective action and preventive actions arising from internal and external audits or other sources. Any corrective or preventive action taken to resolve the cause or RDP implementation inadequacy shall be appropriate, as determined by member company management, to the magnitude of the cause or inadequacy and commensurate with the risk involved.



XII. RDP Document and Data Control

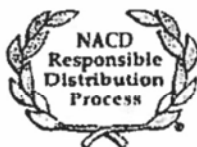
- A. Member companies shall establish and maintain a documented system to control all policies and procedures supporting RDP. In addition, member companies shall maintain a documented system to control the documents and data relating to RDP itself as issued by the National Association of Chemical Distributors (NACD).
- B. Data includes any of the above that is electronically stored and utilized.
- C. These documented procedures shall include provisions for review and approval of any new or revised policies and procedures by the authorized personnel within the member company.
- D. A master list or functionally equivalent document control system identifying the current version of each document shall be established and be readily available to preclude the use of invalid and/or obsolete documents. The system shall ensure that:

Changes to documents and data shall be reviewed and approved by the same function/organization that performed the original review and approval, unless specifically designated otherwise. These functions/organizations shall have access to pertinent background information upon which to base their review and approval. Where practical, the nature of the change shall be identified in the document or appropriate attachments.

## 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?

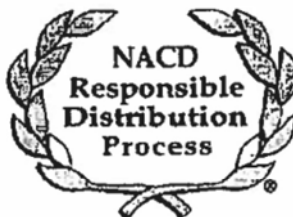
Univar is a member of the National Association of Chemical Distributors. This trade association developed the Responsible Distribution Process<sup>SM</sup> (RDP), which focuses on the responsible management and distribution of chemicals.

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".

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

**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



The Public Health and Safety Organization

## NSF Product and Service Listings

These NSF Official Listings are current as of **Thursday, February 16, 2023** 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?>

[Company Name=Univar&Chemical Name=Sodium+Hypochlorite&](http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Univar&ChemicalName=Sodium+Hypochlorite&)

## 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 :** Edmonton, Alberta, Canada

### Sodium Hypochlorite[HY]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Bleach 12%	Disinfection & Oxidation	87mg/L
Javex 12%	Disinfection & Oxidation	87mg/L
Sodium Hypochlorite 12%	Disinfection & Oxidation	87mg/L
Sodium Hypochlorite 16%	Disinfection & Oxidation	66mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 12%	Disinfection & Oxidation	95mg/L
Sodium Hypochlorite 4%	Disinfection & Oxidation	285mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

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**Univar Solutions USA Inc.**

17411 NE Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3496

**Facility :** KAS Lemont, IL

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Algicide Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Algicide Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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## Univar Solutions USA Inc. DBA

### Univar USA Inc.

3075 Highland Parkway

Suite 200

Downers Grove, IL 60515

United States

425-889-3400

**Facility :** # 1 St. Louis, MO

#### Sodium Hypochlorite[HY]

##### *Trade Designation*

Liquichlor 12.5%

Sodium Hypochlorite

Sodium Hypochlorite 12.5%

##### *Product Function*

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

##### *Max Use*

40mg/L

40mg/L

40mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility :** Distribution Center - Phoenix 27th Ave., AZ

#### Sodium Hypochlorite[HY]

##### *Trade Designation*

Sodium Hypochlorite 12.5%

##### *Product Function*

Disinfection & Oxidation

##### *Max Use*

84mg/L

Sodium Hypochlorite 5.25%

Disinfection & Oxidation

200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Commerce, CA**

**Sodium Hypochlorite[HY]**

**Trade Designation**

**Product Function**

**Max Use**

Liquichlor 12.5%

Disinfection & Oxidation

84mg/L

Liquichlor 12.5% Solution

Disinfection & Oxidation

84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Distribution Center - Santa Fe Springs, CA**

**Sodium Hypochlorite[HY]**

**Trade Designation**

**Product Function**

**Max Use**

Sodium Hypochlorite 10%

Disinfection & Oxidation

105mg/L

Sodium Hypochlorite 12.5%

Disinfection & Oxidation

84mg/L

Sodium Hypochlorite 5.25%

Disinfection & Oxidation

200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the

finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Redwood City, CA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Visalia, CA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Jacksonville, FL**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10%	Disinfection & Oxidation	55mg/L
Liquichlor 12.5%	Disinfection & Oxidation	44mg/L
Sodium Hypochlorite 10%	Disinfection & Oxidation	55mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	44mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Tampa, FL**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10%	Disinfection & Oxidation	105mg/L
Liquichlor 12.5%	Disinfection & Oxidation	94mg/L
Sodium Hypochlorite	Disinfection & Oxidation	94mg/L
Sodium Hypochlorite 10%	Disinfection & Oxidation	105mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	94mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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



**Facility : Distribution Center - Dallas, GA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 10%	Disinfection & Oxidation	105mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Norcross, GA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Distribution Center - Nampa, ID**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
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Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Bedford Park, IL**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 12.5%	pH Adjustment	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Distribution Center, Geismar, LA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation	39mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	39mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also,

reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : St. Paul Terrace Court, MN**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Charlotte, NC**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility :** Distribution Center - Walbridge, OH

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	78mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	78mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility :** Portland, OR

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility :** Altoona, PA

**Sodium Hypochlorite[HY]**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
Liquichlor 12.5%	Disinfection & Oxidation	45mg/L
Liquichlor 5.25%	Disinfection & Oxidation	107mg/L
Sodium Hypochlorite Solution 12.5%	Disinfection & Oxidation	45mg/L
Sodium Hypochlorite Solution 5.25%	Disinfection & Oxidation	107mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Bunola, PA**

**Sodium Hypochlorite[HY]**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
Liquichlor 12.5%	Disinfection & Oxidation	45mg/L
Liquichlor 5.25%	Disinfection & Oxidation	107mg/L
Sodium Hypochlorite Solution 12.5%	Disinfection & Oxidation	45mg/L
Sodium Hypochlorite Solution 5.25%	Disinfection & Oxidation	107mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Middletown, PA**

**Sodium Hypochlorite[HY]**

<b>Trade Designation</b>	<b>Product Function</b>	<b>Max Use</b>
Liquichlor 10%	Disinfection & Oxidation	75mg/L

Liquichlor 12.5%	Disinfection & Oxidation	60mg/L
Liquichlor 5.25%	Disinfection & Oxidation	142mg/L
Liquichlor 9.2%	Disinfection & Oxidation	81mg/L
Sodium Hypochlorite Solution 10%	Disinfection & Oxidation	75mg/L
Sodium Hypochlorite Solution 12.5%	Disinfection & Oxidation	60mg/L
Sodium Hypochlorite Solution 5.25%	Disinfection & Oxidation	142mg/L
Sodium Hypochlorite Solution 9.2%	Disinfection & Oxidation	81mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Providence, RI**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10%	Disinfection & Oxidation	105mg/L
Liquichlor 12.5%	Disinfection & Oxidation	84mg/L
Liquichlor 5.25%	Disinfection & Oxidation	200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Spartanburg, SC**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
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Liquichlor 12.5% Solution

Disinfection & Oxidation

84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Chester, VA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	58mg/L
Liquichlor 5.25%	Disinfection & Oxidation	138mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Kent, WA**

**Sodium Hypochlorite**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	84 mg/L

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

**Facility : Cincinnati Dues Drive, OH**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10% Solution	Disinfection & Oxidation	75mg/L
Liquichlor 12.5% Solution	Disinfection & Oxidation	60mg/L
Liquichlor 5.25% Solution	Disinfection & Oxidation	142mg/L
Sodium Hypochlorite Solution 12.5%	Disinfection & Oxidation	60mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Dallas Bekay Street, TX**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Facility : Houston, TX**

**Sodium Hypochlorite[HY]**



<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10% Solution	Disinfection & Oxidation	65 mg/L
Liquichlor 12.5% Solution	Disinfection & Oxidation	52 mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

17425 Northeast Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3400

**Facility : # 11 USA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5%	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

17425 Northeast Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3400

**Facility : # 18 USA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
BCS Sodium Hypochlorite Solution (12.5%)	Disinfection & Oxidation	84mg/L
Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

17425 Northeast Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3496

**Facility : # 2 Houston, TX**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor	Disinfection & Oxidation	62mg/L
Liquichlor 10%	Disinfection & Oxidation	62mg/L
Liquichlor 12.5%	Disinfection & Oxidation	50mg/L
Liquichlor Max	Disinfection & Oxidation	50mg/L
Sodium Hypochlorite 10%	Disinfection & Oxidation	62mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation	50mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

17411 Northeast Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3496

**Facility :** # 25 Dayton, OH

**Sodium Hypochlorite[HY]**

**Trade Designation**

Liquichlor 12.5% Solution

Sodium Hypochlorite 12.5%

**Product Function**

Disinfection & Oxidation

Disinfection & Oxidation

**Max Use**

84mg/L

84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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

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**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

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

**Facility : San Antonio, TX CarbonFree**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 10% Solution	Disinfection & Oxidation Algicide Bactericide	105mg/L
Liquichlor 12.5% Solution	Disinfection & Oxidation Algicide Bactericide	84mg/L
Sodium Hypochlorite 10%	Disinfection & Oxidation Algicide Bactericide	105mg/L
Sodium Hypochlorite 12.5%	Disinfection & Oxidation Algicide Bactericide	84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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**Univar Solutions USA Inc. DBA  
Univar USA Inc.**

17411 Northeast Union Hill Road  
Redmond, WA 98052  
United States  
425-889-3496

**Facility : RN Willow Springs, IL**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation Bactericide Algicide	84mg/L

Sodium Hypochlorite 12.5%

Disinfection & Oxidation  
Bactericide  
Algicide

84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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## Univar Solutions USA Inc. DBA

Univar USA Inc.

3075 highland Parkway

Suite 200

Downers Grove, IL 60515

United States

425-372-1529

**Facility : # 28 USA**

### Sodium Hypochlorite[HY]

**Trade Designation**

Liquichlor 12.5%

**Product Function**

Bactericide  
Disinfection & Oxidation

**Max Use**

80mg/L

Sodium Hypochlorite 12.5%

Bactericide  
Disinfection & Oxidation

80mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Facility : # 29 USA**

**Sodium Hypochlorite[HY]****Trade Designation**

Liquichlor 12.5%

**Product Function**Bactericide  
Disinfection & Oxidation**Max Use**

80mg/L

Sodium Hypochlorite 12.5%

Bactericide  
Disinfection & Oxidation

80mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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**Univar USA Inc.**

17425 Northeast Union Hill Road

Redmond, WA 98052

United States

425-889-3400

**Facility : # 8 USA****Sodium Hypochlorite[HY]****Trade Designation**

Liquichlor 12.5%

**Product Function**

Disinfection &amp; Oxidation

**Max Use**

99mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Facility : # 13 USA****Sodium Hypochlorite[HY]**

**Trade Designation**

Liquichlor 12.5%

**Product Function**

Disinfection &amp; Oxidation

**Max Use**

99mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Univar USA Inc.**

17425 Northeast Union Hill Road

Redmond, WA 98052

United States

425-889-3400

**Facility : # 10 USA****Sodium Hypochlorite[HY]****Trade Designation**

Liquichlor 12.5%

Sodium Hypochlorite 12.5%

**Product Function**

Disinfection &amp; Oxidation

Disinfection &amp; Oxidation

**Max Use**

84mg/L

84mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Univar USA Inc.**

17425 Northeast Union Hill Road

Redmond, WA 98052

United States

425-889-3496

**Facility : # 12 USA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L
Liquichlor 5.25% Solution	Disinfection & Oxidation	200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

**Facility : # 17 Saugus, CA**

**Sodium Hypochlorite[HY]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquichlor 12.5% Solution	Disinfection & Oxidation	84mg/L
Liquichlor 5.25% Solution	Disinfection & Oxidation	200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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Number of matching Manufacturers is 13

Number of matching Products is 104

Processing time was 1 seconds





The Public Health and Safety Organization

## NSF Product and Service Listings

These NSF Official Listings are current as of **Thursday, February 16, 2023** 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=K2&ChemicalName=Sodium+Hypochlorite&](http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=K2&ChemicalName=Sodium+Hypochlorite&)

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

#### K2 Pure Solutions NoCal, L.P.

950 Loveridge Road

Pittsburg, CA 94565

United States

925-203-1190

[Visit this company's website \(http://www.k2pure.com\)](http://www.k2pure.com)

**Facility :** Pittsburg, CA

#### Sodium Hypochlorite[HY]

##### *Trade Designation*

Sodium Hypochlorite

Sodium Hypochlorite 12.5%

Sodium Hypochlorite 13%

Sodium Hypochlorite 13.7%

Sodium Hypochlorite 16%

Sodium Hypochlorite 5.25%

##### *Product Function*

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

Disinfection & Oxidation

##### *Max Use*

84mg/L

84mg/L

79mg/L

75mg/L

65mg/L

200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and

Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

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Number of matching Manufacturers is 1

Number of matching Products is 6

Processing time was 1 seconds

11247238  
K2#84709



## Certificate of Analysis

Product: **Sodium Hypochlorite 12.5**  
K2 Lot #: 200203-A1  
Date of Manufacture: 2/3/2020

Characteristic:	Unit	Lower Limit	Upper Limit	Value
Sodium Hypochlorite (NaOCl)	wt%	12.5		12.7
Specific Gravity @ 20 deg C				1.193
Density @ 20 deg C	g/mL			1.190
Total Alkalinity (NaOH)	wt%	0.1	1.0	0.5
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	wt%	0.0	1.0	0.2
Iron (Fe)	ppm		1.0	<1.0
Nickel (Ni)	ppm		0.1	<0.1
Bromate (BrO <sub>3</sub> )	mg/L		24	<10
Insoluble Matter	wt%		0.15	<0.15
Color				clear greenish yellow
Odor				mild chlorine odor
pH				12.5

### Environmental Status:

RCRA List: N/A  
SARA 313 List: N/A  
California Prop 65 List: N/A  
EPA Registration Number: 550-198  
DOT Proper Shipping Name: Hypochlorite Solutions, 8, UN1791, PGIII  
(RQ 100 Lbs) = 80 Gallons 12.5% Solution

Date of Delivery: 2-4-20

Shipper ID: \_\_\_\_\_



This product has been certified according to NSF/ANSI 60 at a maximum use level in drinking water of 84 mg/L  
K2 Pure Solutions, 950 Loveridge Road - Pittsburg, CA 94565 - Phone 925-203-1199

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

Version 1.1

Revision Date: 02/01/2023

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : LIQUICHLOR® 12.5% SOLUTION

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

**Recommended use** : refer to EPA registered label for specific uses

**Manufacturer or supplier's details**

**Company** : Univar Solutions USA, Inc.  
**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

**Skin corrosion** : Category 1

**Serious eye damage** : Category 1

**GHS label elements**

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

**Precautionary statements** : **Prevention:**  
P234 Keep only in original container.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

Version 1.1

Revision Date: 02/01/2023

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

**Storage:**

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
7681-52-9	Sodium hypochlorite	12.5
1310-73-2	Sodium hydroxide	0 - 5

Actual concentration is withheld as a trade secret

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

Synonyms : Bleach,

### SECTION 4. FIRST AID MEASURES

- General advice : Show this safety data sheet to the doctor in attendance.  
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 : Take victim immediately to hospital.  
Move to fresh air.  
If breathing has stopped, apply artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Remove contaminated clothing. If irritation develops, get medical attention.  
Burns must be treated by a physician.
- In case of eye contact : In case of eye contact  
Immediately flush eye(s) with plenty of water.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

Version 1.1

Revision Date: 02/01/2023

If swallowed	: If easy to do, remove contact lens, if worn. : If eye irritation persists, consult a specialist. : Take victim immediately to hospital. : Take victim immediately to hospital. : Do NOT induce vomiting. : Rinse mouth with water. : If victim is fully conscious, give a cupful of water. : If a person vomits when lying on his back, place him in the recovery position.
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#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Carbon dioxide (CO2) : Foam : Dry powder
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	: Neutralise with acid. : 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 fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	: Do not breathe vapours/dust.

**Safety Data Sheet**

**LIQUICHLOR® 12.5% SOLUTION**

Version 1.1

Revision Date: 02/01/2023

Conditions for safe storage : Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 To avoid spills during handling keep bottle on a metal tray.  
 Dispose of rinse water in accordance with local and national regulations.  
 : 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.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7681-52-9	Sodium hypochlorite	STEL	2 mg/m <sup>3</sup>	US WEEL
1310-73-2	Sodium hydroxide	C	2 mg/m <sup>3</sup>	ACGIH
		C	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z-1
		C	2 mg/m <sup>3</sup>	OSHA P0
		C	2 mg/m <sup>3</sup>	CAL PEL

**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.  
 Wash hands before breaks and at the end of workday.

**Safety Data Sheet****LIQUICHLOR® 12.5% SOLUTION**

Version 1.1

Revision Date: 02/01/2023

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Colour	: clear yellow
Odour	: Chlorine
Odour Threshold	: No data available
pH	: 11.5 - 13
Freezing Point (Melting point/freezing point)	: -20 - -15 °C (-4 - 5 °F)
Boiling Point ( )	: 230 °F (230 °F) Decomposition: Decomposition temperature
Flash point	: Not Flammable
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	: 12 - 17.5 mmHg @ 20 °C (68 °F)
Relative vapour density	: No data available
Relative density	: 1.17 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	: 1.17 g/cm3
Solubility(ies)	
Water solubility	: completely soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
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
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Acids Combustible material Halogenated compounds Metals metal salts Organic materials



Safety Data Sheet

**LIQUICHLOR® 12.5% SOLUTION**

Version 1.1

Revision Date: 02/01/2023

organic nitro compounds  
Zinc

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Components:**

**7681-52-9:**

Acute oral toxicity : LD50 (Rat, male): > 2,000 mg/kg

**1310-73-2:**

Acute oral toxicity : LD50 (Rabbit): 325 mg/kg

**Skin corrosion/irritation**

**Components:**

**7681-52-9:**

Species: Rabbit

Result: Causes burns.

**1310-73-2:**

Species: Rabbit

Result: Causes severe burns.

**Serious eye damage/eye irritation**

**Components:**

**7681-52-9:**

Species: Rabbit

Result: Risk of serious damage to eyes.

**1310-73-2:**

Species: Rabbit

Result: Risk of serious damage to eyes.

**Carcinogenicity**

**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.

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

Version 1.1

Revision Date: 02/01/2023

#### STOT - single exposure

##### Components:

**7681-52-9:**

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

#### Further information

##### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

**7681-52-9:**

- Toxicity to fish : LC50 (Salmo gairdneri (Rainbow Fish)): 0.06 mg/l  
Exposure time: 96 h  
Test Type: flow-through test
- LC50 (Pimephales promelas (fathead minnow)): 5.9 mg/l  
Exposure time: 96 h  
Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.141 mg/l  
Exposure time: 48 h  
Test Type: flow-through test
- EC50 (Ceriodaphnia dubia): 0.035 mg/l  
Exposure time: 48 h  
Test Type: flow-through test
- Toxicity to algae : IC50: 0.023 mg/l  
Exposure time: 7 d  
Test Type: flow-through test
- M-Factor (Acute aquatic toxicity) : 10
- Acute aquatic toxicity- Assessment : Very toxic to aquatic life.
- Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.
- Persistence and degradability**  
No data available
- Bioaccumulative potential**  
No data available



## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

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#### 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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

## 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: 1-800-637-7922

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

## SECTION 14. TRANSPORT INFORMATION

#### DOT (Department of Transportation):

UN1791, Hypochlorite solutions, 8, III, Marine Pollutant (SODIUM HYPOCHLORITE)

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

UN1791, Hypochlorite solution, 8, III

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

UN1791, HYPOCHLORITE SOLUTION, 8, III, Marine Pollutant (SODIUM HYPOCHLORITE)

## SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)



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Sodium hypochlorite	7681-52-9	100	800
Sodium hydroxide	1310-73-2	1000	20000

#### 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  
Skin corrosion or irritation  
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

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

7681-52-9 Sodium hypochlorite  
1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

7681-52-9 Sodium hypochlorite  
1310-73-2 Sodium hydroxide

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

#### Massachusetts Right To Know

7681-52-9 Sodium hypochlorite  
1310-73-2 Sodium hydroxide

#### Pennsylvania Right To Know

7732-18-5 Water  
7681-52-9 Sodium hypochlorite  
1310-73-2 Sodium hydroxide

**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 : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

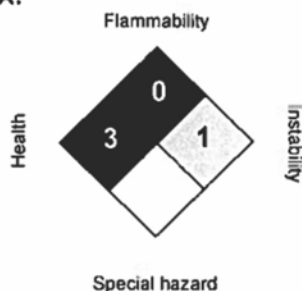
Version 1.1

Revision Date: 02/01/2023

NZIoC	: Not in compliance with the inventory
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

#### SECTION 16. OTHER INFORMATION

##### NFPA:



##### HMIS III:

HEALTH	3/
FLAMMABILITY	0
PHYSICAL HAZARD	1

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 : 02/01/2023

##### Material number:

16179440, 16173035, 16172686, 16173104, 16185315, 16172598, 16146040, 16151002, 16149524, 16158615, 16145640, 16148059, 16144666, 16147989, 16163791, 16180800, 16164756, 16164592, 16164731, 16164730, 16203820, 16203821, 16203184, 16194505, 16158853, 16151253, 16149870, 16148071, 16148060, 16147684, 16145965, 16145895, 16145890, 16145584, 16145144, 16145142, 16145140, 16145138, 16145137, 16145133, 16145130, 16145079, 16159810, 16150495, 16149123, 16147041, 16145471, 16144665, 16145772, 16148183, 16145046, 16143737, 16135287, 16163624, 16148721, 16155765, 16158840, 16145484, 16166710, 16148748, 16148260, 16166763, 16166591, 16145834, 16166014, 16159793, 16162934, 16165524, 16165444, 16165066, 16137823, 16137455, 16137753, 16147687, 16144215, 16150496, 16149504, 16145673, 16149243, 16136536, 16160181, 16160290, 16144046, 16145139, 16150462, 16149046, 16149516, 16148083, 16150461, 16135216, 16156005, 16151878, 16151501, 16150223, 16149931, 16148522,

## Safety Data Sheet

### LIQUICHLOR® 12.5% SOLUTION

Version 1.1

Revision Date: 02/01/2023

16148259, 16147092, 16145877, 16145876

<b>Key or legend to abbreviations and acronyms used in the safety data sheet</b>			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	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
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 LIABILITY INSURANCE

DATE(MM/DD/YYYY)  
05/31/2022

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 Inc. 3075 Highland Parkway Suite 200 Downers Grove IL 60515 USA	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	INSURER A: ACE American Insurance Company		22667
	INSURER B: ACE Fire Underwriters Insurance Co.		20702
	INSURER C: Indemnity Insurance Co of North America		43575
	INSURER D: Illinois Union Insurance Company		27960
	INSURER E:		
INSURER F:			

**COVERAGES**      **CERTIFICATE NUMBER:** 570093377463      **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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER			XSLG47304775 SIR applies per policy terms & conditions	06/01/2022	06/01/2023	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
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			ISA H10699058 Commercial Auto	06/01/2022	06/01/2023	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION			XCEG27380566009 SIR applies per policy terms & conditions	06/01/2022	06/01/2023	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N	WLRC70303085 AOS WLRC70303048 MA	06/01/2022	06/01/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
D	Env Site Liab			PPLG71507944002 Pollution-ClaimsMade Form SIR applies per policy terms & conditions	06/01/2022	06/01/2025	Aggregate \$16,000,000 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)  
Evidence of Insurance.

### CERTIFICATE HOLDER

### CANCELLATION

Univar Solutions USA Inc. 3075 Highland Parkway, Suite 200 Downers 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>
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Holder Identifier :

Certificate No : 570093377463



# ADDITIONAL REMARKS SCHEDULE

AGENCY Aon Risk Services Central, Inc.		NAMED INSURED Univar Solutions USA Inc.	
POLICY NUMBER See Certificate Number: 570093377463			
CARRIER See Certificate Number: 570093377463	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.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
	AUTOMOBILE LIABILITY							
A				MMT H10699125 Truckers Liability	06/01/2022	06/01/2023	Combined Single Limi	\$5,000,000
	WORKERS COMPENSATION							
B		N/A		SCFC70302962 WI	06/01/2022	06/01/2023		
A		N/A		WCUC70303000 Excess WC--CA OH OR,WA SIR applies per policy terms & conditions	06/01/2022	06/01/2023		
	OTHER							
	<input checked="" type="checkbox"/> Claims Made Form							