

AGREEMENT FOR THE PURCHASE OF GOODS AND SERVICES

THIS AGREEMENT FOR THE PURCHASE OF GOODS AND SERVICES ("Agreement") is made _____, 2015, between UNIVAR USA, INC, ("Contractor"), whose address is 8201 S. 212th Street, Kent WA 98032 and telephone number is 253-812-5000 and the City of Stockton, a municipal corporation ("City").

In consideration of the mutual promises set forth in this Agreement, the parties agree as follows:

1. Goods to be provided and services to be performed. Contractor shall provide the goods and perform the services as set forth on the attached Exhibit A incorporated herein by reference Contractor shall begin providing the goods/performing the services by July 1, 2015 and complete providing the goods/performing the services by June 30, 2016; provided, however, the parties may agree to change the beginning or ending date(s).

2. Compensation. For the goods and services under this Agreement, City shall pay Contractor the sum of \$0.844 per gallon for delivery of Sodium Bisulfite, 25% for Wastewater Treatment; and \$4.79 per gallon for Water Treatment.

3. Method of Payment. City shall pay Contractor within 30 days from the date Contractor's invoices are approved by the City Manager. Contractor shall submit monthly invoices.

4. Maintenance. Contractor shall maintain the goods as set forth in Exhibit A at a cost as set forth in Exhibit A. Contractor shall respond to calls for required maintenance from City personnel within 24 hours of the call; required maintenance occurs when the self check system fails to perform any of its functions. If Contractor is unable to resolve routine maintenance issues by phone within 48 hours, Contractor shall provide to City Operations personnel a resolution report indicating how and when the Contractor intends to resolve the issue. Within the period of the maintenance agreement, Contractor shall implement all software and firmware upgrades to the goods identified in Exhibit A at no cost to City. If software and firmware upgrades require a hardware upgrade, Contractor shall provide the upgraded hardware at no cost to the City. City personnel shall review and approve any upgrades prior to their installation.

5. Warranty. Contractor warrants that for one year the goods installed shall be free of defects in materials and workmanship. The one year period shall begin upon the date the City provides in writing to Contractor acceptance of the goods. The warranty under this section shall provide coverage equal to or greater than those warranties that are customary in the industry and, at a minimum, include all parts and labor,

6. Indemnification. Contractor shall indemnify, save and hold harmless from and defend the City, members of the City Council and employees, agents and volunteers, against any and all claims, costs, demands, causes of action, suits, losses, and expense, including attorneys fees, arising from or out of acts or omissions of Contractor, its officials, employees,

agents or sub-contractors, in connection with the goods and services that the Contractor is to provide/perform under this Agreement, except where caused by the active or sole negligence of City, or City's willful misconduct.

7. Insurance. During the term of this Agreement, Contractor shall maintain in full force and effect at its own cost and expense the insurance coverage set forth on the attached Exhibit B and shall otherwise comply with the provisions of Exhibit B.

8. Business License. Prior to its execution of this Agreement, Contractor shall obtain a City business license.

9. Audit. City reserves the right to periodically audit all charges for good and services provided by Contractor.

10. Ownership of Goods. All goods accepted by the City shall be the property of the City.

11. Changes to the Agreement. This Agreement may not be modified except in writing by both parties.

12. Applicable Law. This Agreement shall be governed by the laws of the State of California and venue for any action brought in state court shall be in the Superior Court, County of San Joaquin, Stockton Branch or, for actions brought in federal court, the United States District Court for the Eastern District of California, Sacramento Division.

13. Non-Assignability. Contractor shall not assign or transfer this Agreement or any interest or obligation in this Agreement without the prior written consent of the City and then only upon such terms and conditions as City may set forth in writing.

14. Notices. All notices herein required shall be in writing and shall be sent certified or registered mail, postage prepaid, addressed as follows:

To Contractor: Univar, USA, Inc
Attn: _____
8201 S. 212th Street
Kent, WA 98032

To City: City Manager
City of Stockton
425 N. El Dorado St.
Stockton, CA 95202

15. Conformance to Applicable Laws. Contractor shall comply with all applicable Federal, State and Municipal laws, rules and ordinances. Contractor shall not discriminate in the employment of persons or in providing services under this Agreement on the basis of any legally protected classification including race, color, national origin, sex or religion of such person.

16. Miscellaneous Provisions.

a. City may terminate this Agreement at any time by mailing notice to Contractor at the address first stated above. Contractor shall be paid for that portion of goods provided / services provided when notice is received.

b. Contractor shall not assign or transfer this Agreement.

c. In the performance of this Agreement, Contractor, its employees and agents shall have the status of an independent contractor and not as an employee of the City for any purpose.

d. If either City or Contractor waives a breach of this Agreement, such waiver shall not constitute a waiver of other or succeeding breaches of this Agreement.

e. This Agreement constitutes the entire understanding of the parties.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the date and year first above written.

CITY OF STOCKTON

CONTRACTOR

City Manager

By: _____
Signature

Print name

ATTEST:

Title: _____

City Clerk

[If Contractor is a corporation, signatures must comply with Corporations Code §313]

APPROVED AS TO FORM:

City Attorney

By: _____
Signature

Print name

Title: _____

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

T 253-872-5000
F 253-572-5041
www.univarusa.com



April 9, 2015

Dublin San Ramon Services District
Regional Wastewater Treatment Facility
Attn: Louanne Ivy
7399 Johnson Dr
Pleasanton, CA 94588

RE: Bid for Sodium Bisulfite, BACC Bid No. 12-2015

To Louanne:

Univar USA Inc. is pleased to offer a price quote on your ITB due Tuesday, April 14, 2015 and has done so on the attached required paperwork.

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

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

Thank you,

Jennifer Perras
Shawnasey McCarthy

Municipal Specialists
Western Region
Univar USA Inc.
Muniteam@univarusa.com
www.univar.com

Please Note: Seller shall indemnify Buyer for losses to the extent caused by Seller's negligence or breach of contract. Neither party is liable for incidental or consequential damages. Seller's liability is limited to the purchase price of the goods. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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

Please Note: Cooperative Purchasing/Contract Piggy-Back Clauses: Unless otherwise checked "yes" within the attached offer, it is Univar's standard policy NOT to agree to/participate in Cooperative Purchasing but rather to work



UNIVAR USA INC.
AUTHORIZED BID SIGNERS

RESOLUTION

RESOLVED, that the Corporate Secretary shall maintain a list of the agents of this Corporation who are vested with authority to execute in the Corporation's behalf formal, written bids or proposals for the sale of other disposition of products handled by the Corporation. Said list shall be as established initially by the Board of Directors and thereafter, the President, or a Vice President shall have the authority, by written directive to the Corporate Secretary, to add agents to or eliminate agents from said list, and it is further

RESOLVED, that the Corporate Secretary or any Assistant Secretary of the Corporation is authorized to certify this resolution or certify to the name or names of persons on the list maintained by the Corporate Secretary and such certificate will be conclusive evidence of the authority of such person or persons so to act.

END OF RESOLUTION

CERTIFICATION

I, the undersigned, as Corporate Secretary of Univar USA Inc. do hereby certify as follows:

1. That the above resolution was duly adopted by the Board of Directors of said Corporation at a meeting duly held on December 4, 1986, and is in full force and effect.
2. That the list of persons authorized to execute, for an on behalf of this Corporation, written bids or proposals for the sale or other disposition of products handled by this Corporation, as initially established by the Board of Directors and thereafter added to by the President, or a Vice President of this Corporation as follows:

All officers and the following:

Shawnasey McCarthy – Municipal Business Manager
 Jennifer Perras – Municipal Specialist
 Michelle Wick – Municipal Specialist
 Roise Holiday – Municipal Specialist

3. That all of the foregoing persons are authorized to execute bids pursuant to the resolution above referred to.

Dated this 9th day of April, 2015.



Perry T. Kusakabe
 Perry T. Kusakabe
 Corporate Secretary

Univar USA Inc.
2256 Junction Ave.
San Jose, CA 95131-1216



T 408-435-8700
F 408-435-1735
800-659-5908
www.univar.com

GENERAL INFORMATION

Regular Office Hours during which orders may be placed:

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

In case of an emergency during non-business hours:

For Non-Chemical Emergencies:

After-hours emergency – 24-hour response: Ryan Amodeo - (650) 817-0140 (cell)
Will Allison - (408) 593-4460 (cell)
Brian Wills- (650) 670-7267
Tom Mendenhall- (650) 280-3726 (cell)

For Chemical Related Emergencies:

ChemTrec: (800) 424-9300

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

Office Phone: (800) 659-5908
Office Fax: (408) 435-1735

Customer Service-
John Dinh - Dispatcher
Ryan Amodeo- Plant Manager

custsvs-sanjose@univarusa.com
John.dinh@univarusa.com
Ryan.Amodeo@univarusa.com

For anything pertaining to bids:

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

Univar USA Inc.
Attn: WER Muni Team
8201 S. 212th
Kent, WA 98032-1994

Contacts: muniteam-west@univarusa.com

Jennifer Perras
Municipal Specialist
Phone: (253) 872-5040
Fax: (253) 872-5041
jennifer.perras@univarusa.com

Roise Holiday
Municipal Specialist
Phone: (253) 872-5068
Fax: (253) 872-5041
roise.holiday@univarusa.com

Michelle Wick
Municipal Specialist
Phone: (53) 872-5084
Fax: (253) 872-5041
michelle.wick@univarusa.com

Shawnasey McCarthy
Municipal Business Manager
Phone: (253) 872-5052
Fax: (253) 872-5041

Remittance Address:

Univar USA Inc.
File No. 56019
Los Angeles, CA 90074-6019

Standard Payment Terms:

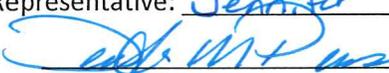
Net 30 days

STANDARD AGREEMENT, PAGE 1 OF 2
BAY AREA CHEMICAL CONSORTIUM
BID NO. 12-2015
SUPPLY AND DELIVERY OF SODIUM BISULFITE

Bay Area Chemical Consortium (BACC)
 c/o Dublin San Ramon Services District
 Regional Wastewater Treatment Facility
 7399 Johnson Drive
 Pleasanton, CA 94588

Dear Sirs:

I hereby agree to furnish sodium bisulfite 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 USA Inc.
 Address: 8201 S. 212th St.
 City, State, ZIP: Kent, WA 98032
 Phone: 253-812-5000
 Email: muniteam-west@univarusa.com
 Authorized Representative: Jennifer Perros
 Signature: 
 Date: 4/19/15

WE ACKNOWLEDGE RECEIVING ADDENDUM/ADDENDA NUMBER 0 THROUGH 0.

SPECIFIC DEVIATIONS (if applicable, attach additional sheets if necessary):

* Any load that is less than 2,000 gal will have a \$250.00 LTL charge applied.

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

STANDARD AGREEMENT, PAGE 2 OF 2
 BIDDER INFORMATION

1. Legal Name of Bidder:

Univar USA Inc.

2. Bidder's Street Address:

2256 Junction Ave, San Jose, CA 95131

3. Mailing Address:

8201 S. 212th St, Kent, WA 98032

4. Business Telephone: 253-872-5000 Fax Number: 253-872-5241

5. Type of Supplier:

Sole Proprietor Partnership Corporation

If Corporation, indicate State where incorporated: IL

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

Number: 3641101210 Issuing City: San Jose, CA

7. Supplier Federal Tax Identification Number: 91-1347935

8. Emergency Contact: Name: Ryan Amodeo
 Phone Number: 650-817-0140

9. Order Contact: Name: Customer Service
 Address: 2256 Junction Ave, San Jose, CA 95131
 Phone Number: 800-655-5208 Fax Number: 408-435-1735
 Email: custsus-sanjose@univarusa.com

10. References:

Company/Agency Name	Contact Name	Phone Number
1) <u>Sanitation of LA</u>	<u>Karen Streeter</u>	<u>562-908-4298</u>
2) <u>Turlock Irrigation</u>	<u>Debbie Schickert</u>	<u>209-883-8403</u>
3) <u>San Luis Obispo</u>	<u>Cheryl Blair</u>	<u>805-781-7215</u>

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

Univar USA, Redwood City, CA

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

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

County of King)

Jennifer Perica, being first duly sworn, deposes and says that he or she is
(Contractor's Authorized Representative)

Municipal Specialist of Univac Co/A Inc. the party making the
(Title of Representative) (Contractor's Name)

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, 9th Day of April, 2015

[Handwritten Signature]
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. 12-2015, PAGE 1 OF 2**

Sealed bids must be enclosed in an envelope clearly marked:

**"BID FOR SODIUM BISULFITE
BACC BID NO. 12-2015"**

And delivered to:

Louanne Ivy
Administrative Analyst – Operations
Dublin San Ramon Services District
Regional Wastewater Treatment Facility
7399 Johnson Drive
Pleasanton, CA 94588

No later than 9:00 A.M. PDT
Tuesday, April 14, 2015

Business Name:

Univar USA Inc.

Business Address

8201 S. 212th St

Kent WA 98032

Attn: WER Muni team

Telephone Number: 253-872-5000

Facsimile Number: 253-872-5841

Email Address: muniteam-west@univarusa.com

Authorized Representative (Please Print):

Jennifer Perros

Date: 4/9/15

- I. All costs except California State sales tax for the purchase of sodium bisulfite must be included in the amount shown below on this Bid Form, 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 in \$/gallon.**

BACC Agencies: **North Bay Locations**

Delta Diablo and Rodeo Sanitary District

Unit Price for 25% Sodium Bisulfite:

\$.844 /gallon

BACC Agencies: **East Bay Locations**

East Bay Dischargers Authority

Unit Price for 25% Sodium Bisulfite:

\$.844 /gallon

BACC Agencies: **South Bay Locations**

City of San Jose and City of Sunnyvale

Unit Price for 25% Sodium Bisulfite:

\$.90 /gallon

BACC Agencies: **Peninsula Locations**

City of Daly City/North San Mateo County Sanitation District, City of San Mateo, City of South San Francisco, and Silicon Valley Clean Water

Unit Price for 25% Sodium Bisulfite:

\$.844 /gallon

From: Deedee Antypas
To:
Subject: Fwd: RE: WWTP volume

>>> Jennifer Perras <Jennifer.Perras@univarusa.com> 5/11/2015 10:57 AM >>>
Hello Deedee,

I hope you had a nice weekend. Here is what we can do for Stockton.

1. WWTP- we can offer the \$.844/gl from the BACC. However, will this plant actually be up and running? In October of 2014 I was asked to give pricing on 208,000 gal worth of SBS use for the WWTP, there has not been a single purchase made through Univar for SBS to this location.
2. The 40% Mini Bulk loads to Lower Sacramento Road, the price will stay the same as what was submitted to the BACC. \$4.79/gl.

Please let me know if you accept.

Thank you,
Jennifer Perras
Municipal Specialist
Univar BCS
T +1 253 872 5040
M +1 206 249 6109
F +1 253 872 5041
jennifer.perras@univarusa.com
www.univar.com

-----Original Message-----

From: Deedee Antypas [<mailto:Deedee.Antypas@stocktongov.com>]
Sent: Friday, May 08, 2015 5:00 PM
To: Jennifer Perras
Subject: Re: WWTP volume

Jennifer,
I just confirmed, our Water treatment, the mini-bulk loads in the BACC bid, does need the 40% solution. But the Wastewater treatment with the load info below, would like the 25% solution.

Thanks for your help.
Deedee

>>> Deedee Antypas 5/8/2015 2:15 PM >>>

Jennifer,
We use an estimated 500 gallons/day of SBS, and our tank is 10,000 gallons. So we have approximately 15 days storage in the tank. $500 \times 365 = 182,500$ gallons annually. I'm not sure what your delivery truck size is, but if it's 5000 gallons, it would be an estimated 37 deliveries/year.

I am double checking with our Water treatment that they can use the 25% solution instead of the 40% and will let you know immediately what I hear.

Thanks for your help.
Deedee

>>> Jennifer Perras <Jennifer.Perras@univarusa.com> 5/8/2015 2:07 PM >>>
Hello Deedee,

What is the annual volume for the WWTP ?

Thank you,
Jennifer Perras
Municipal Specialist
Univar BCS
T +1 253 872 5040
M +1 206 249 6109
F +1 253 872 5041
jennifer.perras@univarusa.com<<mailto:name.surname@univarXXX.com>>
www.univar.com<<http://www.univar.com/>>
[Univar_BCS_RGB]

CERTIFICATE OF ANALYSIS



Univar USA Inc
525 Seaport Boulevard
Redwood City CA 94063-2711
PH: 650-363-1661
FAX: 650-363-0713
www.univarusa.com

SODIUM BISULFITE

DATE OF ANALYSIS: 12-29-14

CUSTOMER NAME: East Bay Dischargers

SALES ORDER NUMBER: ST 263158

TOTAL REDUCING SUBSTANCE (TRS) AS 100% SODIUM BISULFITE (NAHSO₃):

2590

Certified By:
Univar USA Inc.

William Rainey (Signature)

William Rainey (Print Name)

Owner (Job Title)

Note: (Comments as needed)

Univar Copy

CERTIFICATE OF ANALYSIS



Univar USA Inc.
 12522 Los Nietos Road
 Santa Fe Springs, CA 90670
 PH. 562-944-7244
 FAX 562-903-0056
www.univarusa.com

DATE: 12/23/2014

PRODUCT: Sodium Bisulfite Solution, 40%

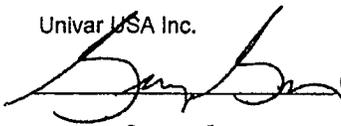
PRODUCT GRADE: NSF

UNIVAR PRODUCT CODE: 802945

UNIVAR LOT/PJO NUMBER: SE124799448

<u>TEST</u>		<u>RESULTS</u>	<u>SPECIFICATIONS</u>
Titrate NaHSO ₃	%	39.70	38.0% - 42.0%
Specific Gravity @ 60°F		1.350	1.318 - 1.352
pH		4.99	3.0 - 5.5

Univar USA Inc.

 (Signature)

George Gray (Print Name)

Ops Supervisor (Job Title)



Notes:

Consult the MSDS for additional information.

All information is based on data obtained from the manufacturer or other recognized technical sources. The information is believed to be accurate. Univar USA Inc. ("Univar") makes no representation or warranty, express, or implied, concerning the accuracy or sufficiency of the information. Univar is not liable for any damages resulting from the use or non-use of the information. All transactions involving this Product are subject to Univar's standard Terms and Conditions, available at www.univarusa.com or upon request. Univar makes no additional representations or warranties, express or implied, as to the Product.

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

T 253-872-5000
F 253-572-5041

www.univarusa.com



REFERENCES

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

Contact: Karen Streeter, Buyer
Phone: (562) 908-4288

For Supply and Delivery of Bulk Sulfuric Acid

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

Contact: Cheryl Shea, Buyer
Phone: (562) 908-4288

For Supply and Delivery of Bulk Sodium Hydroxide (Caustic Soda) 50%

3. Turlock Irrigation
Walnut Energy Center
600 Washington Rd.
Turlock, CA 95380

Contact: Debbie Schickert- Contract Specialist
Phone: 209-883-8403

For Supply and Delivery of Caustic Soda 50%



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Thursday, April 09, 2015** at 12:15 a.m. Eastern Time. Please contact NSF International to confirm the status of any Listing, report errors, or make suggestions.

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

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Univar&ChemicalName=Sodium+Bisulfite&>

NSF/ANSI 60 Drinking Water Treatment Chemicals - Health Effects

Univar Canada Ltd.

9800 Van Horne Way
Richmond, BC V6X 1W5
Canada
604-273-1441

Facility : # 3 Canada

Sodium Bisulfite[1]

Trade Designation

Sodium Bisulphite 38%, Solution

Product Function

Dechlorinator & Antioxidant

Max Use

50mg/L

[1] This product contains sulfite.

Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.

The maximum recommended allowable

residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

Univar USA Inc.

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

Facility : # 2 Distribution Center - Richmond, CA**Sodium Bisulfite**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

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

Facility : Distribution Center - Phoenix 27th Ave., AZ**Sodium Bisulfite[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite 42%	Dechlorination	46mg/L

[1] This product contains sulfite.

Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.

The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Facility : Distribution Center - Redwood City, CA**Sodium Bisulfite[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

[1] This product contains sulfite.

Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.

The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Facility : Distribution Center - Santa Fe Springs, CA**Sodium Bisulfite[2]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite 15%	Dechlorination	46mg/L
Sodium Bisulfite 25%	Dechlorination	46mg/L
Sodium Bisulfite 42%	Dechlorination	46mg/L

[2] This product contains sulfite. Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Facility : Denver, CO**Sodium Bisulfite[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite 42%	Dechlorination	46mg/L

[1] This product contains sulfite. Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

Facility : Distribution Center - Morrisville Steel Road, PA**Sodium Bisulfite[1]**

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite	Dechlorination	46mg/L

[1] This product contains sulfite. Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals. The maximum recommended allowable residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Facility : Middletown, PA

Sodium Bisulfite[1]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Reducite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution, 38-40%	Dechlorinator & Antioxidant	46mg/L

[1] This product contains sulfite.

Sulfites have been known to cause potentially lethal allergic reactions in sulfite-sensitive individuals.

The maximum recommended allowable

residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Facility : Kent, WA

Sodium Bisulfite

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution 38-40%	Dechlorinator & Antioxidant	46mg/L

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

Facility : Tacoma, WA

Sodium Bisulfite[1]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
SBS	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite 38-40%	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution	Dechlorinator & Antioxidant	46mg/L
Sodium Bisulfite Solution 38-40%	Dechlorinator & Antioxidant	46mg/L

[1] This product contains sulfite.

Sulfites have been known to cause potentially lethal

allergic reactions in sulfite-sensitive individuals.
The maximum recommended allowable
residual sulfite level in the finished drinking water is 100 ppb (0.1 mg/L).

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

Number of matching Manufacturers is 2

Number of matching Products is 23

Processing time was 0 seconds

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

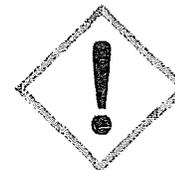
SDS DATE: 05/07/2013
 ORIGINAL: 05/07/2013

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.
 THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
 IMPORTANT: Read this SDS before handling & disposing of this product.
 Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%
 SDS NUMBER: CDS-2123
 COMPANY IDENTITY: Univar
 COMPANY ADDRESS: 17425 NE Union Hill Road
 COMPANY CITY: Redmond, WA 98052
 COMPANY PHONE: 1-425-889-3400
 EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
 CANUTEC: 1-613-996-6666 (CANADA)



SECTION 2. HAZARDS IDENTIFICATION

CAUTION

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300s = Health, H400s = Environmental

H290 May be corrosive to metals.
 H300 Fatal if swallowed.
 H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Water	7732-18-5	231-791-2	73-95
Sodium Bisulfite	7631-90-5	-	5-27

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
ORIGINAL: 05/07/2013

SECTION 4. FIRST AID MEASURES

GENERAL ADVICE:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

EYE CONTACT:

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

INHALATION:

After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES

Not Applicable.

EXTINGUISHING MEDIA

Use water spray, carbon dioxide, foam, halon, dry chemical, and any "ABC" Class extinguishing media.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
ORIGINAL: 05/07/2013

SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

UNUSUAL EXPLOSION AND FIRE PROCEDURES

Noncombustible.

Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment for incidental releases (such as: 1 liter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves (rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

HANDLING

Avoid prolonged or repeated contact.
To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

STORAGE

Isolate from strong oxidants. Do not store above 49 C/120 F.
Keep container tightly closed & upright when not in use to prevent leakage.

NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
 ORIGINAL: 05/07/2013

SECTION 7. HANDLING AND STORAGE (CONTINUED)

BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Water	7732-18-5	231-791-2	None Known	None Known
Sodium Bisulfite	7631-90-5	-	None Known	None Known
Sodium Sulfite	7757-83-7	-	None Known	None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

RESPIRATORY EXPOSURE CONTROLS

Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS

Positive pressure, full-face piece Self Contained Breathing Apparatus; or positive pressure, full-face piece Self Contained Breathing Apparatus with an auxilliary positive pressure Self Contained Breathing Apparatus.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Necessary
 SPECIAL: None OTHER: None
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

EYE PROTECTION:

Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION:

Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures).

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
 ORIGINAL: 05/07/2013

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
 Wash at end of each workshift & before eating, smoking or using the toilet.
 Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Yellow
ODOR:	Pungent, Sulfur Dioxide Odor
ODOR THRESHOLD:	Not Available
pH (Neutrality):	6.0
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	> 100 C/> 212 F(*=End Point)
FLASH POINT (TEST METHOD):	Not Applicable
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.5
VAPOR DENSITY (air=1):	0.670
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.311
POUNDS/GALLON:	10.921
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available
VOC'S (>0.44 Lbs/Sq In) :	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0

* Using California South Coast Air Quality Management District (SCAQMD) Rule 443.1.

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable under normal conditions.

CONDITIONS TO AVOID

Temperatures at or near boiling causes evolution of toxic and corrosive sulfur dioxide gas. (Sulfur dioxide is also evolved slowly at ambient temperatures).

MATERIALS TO AVOID

This product reacts with strong acids producing heat and sulfur dioxide gas, which is toxic. Oxidizers may cause strong exothermic reactions. Other incompatibles include sodium nitrite and aluminum powder.

HAZARDOUS DECOMPOSITION PRODUCTS

Sodium Oxide & Hydroxide, sulfur dioxide from heating.

HAZARDOUS POLYMERIZATION

Will not occur.

COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
ORIGINAL: 05/07/2013

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE HAZARDS

EYE & SKIN CONTACT:

Acute overexposure can cause irritation to skin.
Acute overexposure can cause irritation to eyes.

INHALATION:

No significant hazard.

SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED

None Known.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: Sodium bisulfite may also cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

MAMMALIAN TOXICITY INFORMATION

No mammalian information is available on this product.

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
 ORIGINAL: 05/07/2013

SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

EFFECT OF MATERIAL ON AQUATIC LIFE:

No aquatic environmental information is available on this product.

MOBILITY IN SOIL

Mobility of this material has not been determined.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

IF > 18518 LB / 8418 KG OF THIS PRODUCT IS IN 1 CONTAINER, IT EXCEEDS THE RQ OF SODIUM BISULFITE. "RQ" MUST BE PUT BEFORE THE DOT SHIPPING NAME.

DOT SHIPPING NAME: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (Sodium Bisulfite), 8, PG-III

DRUM LABEL: Corrosive (8)

IATA / ICAO: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (Sodium Bisulfite), 8, PG-III

IMO / IMDG: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (Sodium Bisulfite), 8, PG-III

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 154

CANADA: DANGEROUS GOODS TRANSPORT: This material is considered as DANGEROUS GOODS.

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

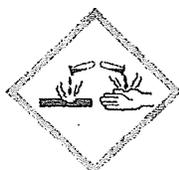
SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG.SECTION)	RQ(LBS)
Sodium Bisulfite	7631-90-5	-	5-27	(313)	5000



COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION, 5 - 27%

SDS DATE: 05/07/2013
ORIGINAL: 05/07/2013

SECTION 15. REGULATORY INFORMATION (CONTINUED)

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL, NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

E: Corrosive material.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, REACTIVITY: 1
(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

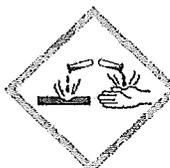
SDS DATE: 01/09/2015
 REPLACES: 07/18/2014

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION
 SDS NUMBER: CDS-2115
 COMPANY IDENTITY: Univar
 COMPANY ADDRESS: 17425 NE Union Hill Road
 COMPANY CITY: Redmond, WA 98052
 COMPANY PHONE: 1-425-889-3400
 EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
 CANUTEC: 1-613-996-6666 (CANADA)



SECTION 2. HAZARDS IDENTIFICATION

WARNING!

2.1 HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300s = Health, H400s = Environmental

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.

2.2 PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Water	7732-18-5	231-791-2	58-73
Sodium Bisulfite	7631-90-5	-	27-42

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

SDS DATE: 01/09/2015
REPLACES: 07/18/2014

SECTION 4. FIRST AID MEASURES

4.1 GENERAL ADVICE:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

4.2 EYE CONTACT:

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

4.3 SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

4.4 INHALATION:

After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

4.5 SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

4.6 NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

5.1 FIRE & EXPLOSION PREVENTIVE MEASURES

Isolate from oxidizers, acids, and extreme heat.

5.2 EXTINGUISHING MEDIA

Use appropriate extinguishing media for surrounding fire.

5.3 SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

COMPANY IDENTITY: Univar
PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

SDS DATE: 01/09/2015
REPLACES: 07/18/2014

SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

5.4 UNUSUAL EXPLOSION AND FIRE PROCEDURES

Noncombustible.

Thermal decomposition produces toxic fumes.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

6.2 PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves (rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

6.3 ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

6.4 CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse. Empty container very hazardous! Continue all label precautions!

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Isolate from acids, strong oxidants. Do not store above 49 C/120 F.
Keep container tightly closed & upright when not in use to prevent leakage.

7.3 NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

SDS DATE: 01/09/2015
 REPLACES: 07/18/2014

SECTION 7. HANDLING AND STORAGE (CONTINUED)

7.4 BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

7.5 TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

7.6 PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

7.7 EMPTY CONTAINER WARNING:

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.**

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Water	7732-18-5	231-791-2	None Known	None Known
Sodium Bisulfite	7631-90-5	-	None Known	None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

8.2 APPROPRIATE ENGINEERING CONTROLS:

RESPIRATORY EXPOSURE CONTROLS

Airborne concentrations should be kept to lowest levels possible. If vapor, dust or mist is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air-supplied respirator authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations, after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown. Maintain airborne contaminant concentrations below exposure limits. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For particulates, a particulate respirator (NIOSH Type N95 or better filters) may be worn. If oil particles (such as: lubricants, cutting fluids, glycerine, and so on) are present, use a NIOSH Type R or P filter. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

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 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

SDS DATE: 01/09/2015
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS

Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxilliary positive pressure Self-Contained Breathing Apparatus.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Necessary
 SPECIAL: None OTHER: None
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, chemical splash goggles should be worn, when a higher degree of protection is necessary, use splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

HAND PROTECTION:

Use gloves chemically resistant to this material. Preferred examples: Butyl rubber, Chlorinated Polyethylene, Polyethylene, Ethyl vinyl alcohol laminate ("EVAL"), Polyvinyl alcohol ("PVA"). Examples of acceptable glove barrier materials include: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber ("nitril") or ("NBR"), Polyvinyl chloride ("PVC") or "vinyl", Viton. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

WORK & HYGIENIC PRACTICES:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using toilet facilities and at the end of the working period. Provide readily accessible eye wash stations & safety showers. Remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at end of each shift & before eating, smoking or using the toilet. Remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

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SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Straw Yellow
ODOR:	Sharp, Pungent
ODOR THRESHOLD:	Not Available
pH (Neutrality):	4.1 - 4.6
BOILING RANGE (IBP,50%,Dry Point):	> 100 C / > 212 F
FLASH POINT (TEST METHOD):	Not Applicable
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	9
VAPOR DENSITY (air=1):	0.670
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.320
POUNDS/GALLON:	10.996
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available
VOCs (>0.044 Lbs/Sq In) :	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt% /0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0

* Using California Air Resources Board (CARB) Rule 310.

SECTION 10. STABILITY & REACTIVITY

10.1 STABILITY

Stable under normal conditions.

10.2 CONDITIONS TO AVOID

Gradually oxidizes to sodium sulfate on exposure to air. Temperatures at or near boiling point causes evolution of toxic and corrosive sulfur dioxide.

10.3 MATERIALS TO AVOID

Mineral acids, oxidizing agents. Contact with acid liberates irritating sulfur dioxide gas. Corrosive to steel, carbon steel, and other common materials of construction at ambient temperatures.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

Sodium Oxide & Hydroxide, Sulfur Dioxide from heating.

10.5 HAZARDOUS POLYMERIZATION

Will not occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:
CORROSIVE! Causes severe skin burns.
Causes severe eye damage.
Wash thoroughly after handling.

11.12 INHALATION:
Mist irritating to respiratory tract.

11.13 SWALLOWING:
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED
None Known.

11.3 CHRONIC HAZARDS

11.31 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:
This product has no carcinogens listed by IARC, NTP, NIOSH,
OSHA or ACGIH, as of this date, greater or equal to 0.1%.

11.32 IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

11.33 SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

11.34 MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

11.35 EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

11/36 TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

11.37 REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

MAMMALIAN TOXICITY INFORMATION

LD50 (Oral): 820 mg/kg (Mouse)

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SECTION 12. ECOLOGICAL INFORMATION

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:

No aquatic environmental information is available on this product.

12.4 MOBILITY IN SOIL

Mobility of this material has not been determined.

12.5 DEGRADABILITY

This product is completely biodegradable.

12.6 ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE USED CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies. Deactivating Chemicals: Soda Ash, Lime or Limestone. EPA Waste Number: D002.

SECTION 14. TRANSPORT INFORMATION

DOT/TDG SHIP NAME: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (contains: Sodium Bisulfite), 8, PG-III
 DRUM LABEL: Corrosive (8)
 IATA / ICAO: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (contains: Sodium Bisulfite), 8, PG-III
 IMO / IMDG: UN2693, Bisulfites, aqueous solutions, n.o.s.
 (contains: Sodium Bisulfite), 8, PG-III
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: 154



SECTION 15. REGULATORY INFORMATION

15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health,
 Reactivity

All components of this product are on the TSCA list.
 SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be

COMPANY IDENTITY: Univar
 PRODUCT IDENTITY: SODIUM BISULFITE SOLUTION

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included in all MSDSs that are copied and distributed for this material.

EPA CLEAN WATER ACT

Sodium Bisulfite is listed as a hazardous substance which, if discharged to the water, may require immediate response to mitigate dangers to human health and the environment.

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG. SECTION)	RQ(LBS)
Sodium Bisulfite	7631-90-5	-	27-42	(311,312)	5000

SECTION 15. REGULATORY INFORMATION (CONTINUED)

15.2 STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

15.3 INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS)G
 Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC),
 Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

E: Corrosive

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

14.5 SDS DATE: 07/18/2014

SECTION 16. OTHER INFORMATION

16.1 HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 0
 (Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

AGENCY CUSTOMER ID: 570000014538

LOC #:



ADDITIONAL REMARKS SCHEDULE

Page _ of _

AGENCY Aon Risk Services Central, Inc.		NAMED INSURED Univar Inc.	
POLICY NUMBER See Certificate Number: 570056947300			
CARRIER See Certificate Number: 570056947300	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						
B				CA 4806890 Truckers Liability (AOS)	03/01/2015	06/01/2016	Combined Single Limi \$5,000,000
B				CA 4806891 Truckers Liability (MA)	03/01/2015	06/01/2016	
B				CA 4806892 Truckers Liability (VA)	03/01/2015	06/01/2016	
	WORKERS COMPENSATION						
B		N/A		WC1591222 (CA, OH, OR, WA) SIR applies per policy terms & conditions	03/01/2015	03/01/2016	
C		N/A		WC001591221 (FL)	03/01/2015	03/01/2016	
C		N/A		WC012948466 (IL, KY, NC, NH, UT)	03/01/2015	03/01/2016	
C		N/A		WC012948467 (AK, AZ, GA)	03/01/2015	03/01/2016	
C		N/A		WC012948468 (NJ, PA)	03/01/2015	03/01/2016	
	OTHER						
D	Poll Legal Liab			PLS6292901	03/01/2015	06/01/2016	Occ Ded \$500,000



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
02/27/2015

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 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).

PRODUCER Aon Risk Services Central, Inc. Philadelphia PA Office One Liberty Place 1650 Market Street Suite 1000 Philadelphia PA 19103 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): 800-363-0105 E-MAIL ADDRESS:														
INSURED Univar Inc. 3075 Highland Parkway Suite 200 Downers Grove IL 60515 USA	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A: Illinois Union Insurance Company</td> <td style="text-align: center;">27960</td> </tr> <tr> <td>INSURER B: National Union Fire Ins Co of Pittsburgh</td> <td style="text-align: center;">19445</td> </tr> <tr> <td>INSURER C: New Hampshire Ins Co</td> <td style="text-align: center;">23841</td> </tr> <tr> <td>INSURER D: Lexington Insurance Company</td> <td style="text-align: center;">19437</td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Illinois Union Insurance Company	27960	INSURER B: National Union Fire Ins Co of Pittsburgh	19445	INSURER C: New Hampshire Ins Co	23841	INSURER D: Lexington Insurance Company	19437	INSURER E:		INSURER F:	
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INSURER E:															
INSURER F:															

Holder Identifier :

COVERAGES **CERTIFICATE NUMBER: 570056947300** **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
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GL2802979 SIR applies per policy terms & conditions	03/01/2015	06/01/2016	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) Excluded PERSONAL & ADV INJURY \$3,000,000 GENERAL AGGREGATE \$3,000,000 PRODUCTS - COMP/OP AGG \$3,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			CA 4806893 Commercial Auto (AOS) CA 4806894 Commercial Auto (MA) CA 4806895 Commercial Auto (VA)	03/01/2015	06/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION			XCEG27380566002 SIR applies per policy terms & conditions	03/01/2015	06/01/2016	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC001591220 (AOS) WC001591223 (MA, ND, WI, WY)	03/01/2015	03/01/2016	<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	Pol Legal Liab			PLS6292901	03/01/2015	06/01/2016	Aggregate \$15,000,000 Agg Ded \$500,000 Occurrence \$15,000,000

Certificate No : 570056947300

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 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 <div style="text-align: center; font-family: cursive;"> Aon Risk Services Central Inc. </div>
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QUALITY MANAGEMENT SYSTEM
 CERTIFIED BY DNV
 ISO 9001:2008

Univar USA, Inc.
 221 Boston Post Road East
 Suite 230
 Marlborough, MA 01752

Date: April 20, 2015

Report No.: 11

Attn.: Ms. Jackie Scalzi

Product: **SODIUM BISULFITE SOLUTION 25%**

Sample Size: 1 x 1 eight ounce
 Submitted Sample From: Univar, Redwood City, CA –
 labeled "TC-6"
 LSI WO Number: CL151782

Submitted sample tested as follows on May 1, 2015:

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Specific Gravity @25/25°C	1.1 – 1.4	1.2912
NaHSO ₃	23.60 % - 27.70%	25.2
SO ₂ Equivalent	15.40% - 16.60%	15.5
Iron	4 – 5 ppm typical	0.8
pH 10% Aqueous	3.5 – 5.5	4.0

Kenneth Corley
 Vice President - Operations

KJC/njm

Report e-mailed to
jackie.scalzi@univarusa.com
karen.wing@univarusa.com



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
== ISO 9001:2008 ==

LIABILITY, INSURANCE and INDEMNITY

In contracting with Laboratory Service, Inc. ("Lab Service"), the Client agrees that Lab Service undertakes to furnish the service requested by the Client only upon the faithful and continual performance and satisfaction by Client of the following conditions:

1. Lab Service will not be liable in respect to any bulk cargo, material, goods or parcel (collectively, "Goods"), directly or indirectly, in contract or in tort, to the cargo owners, shippers, bailees, consignees or underwriters, unless damage to or loss of the cargo is expressly and solely caused by Lab Service's negligence and in no event shall Lab Service's aggregate liability to all parties in interest in the Goods exceed the greater of (a) ten times the fee charges by Lab Service for the service performed or (b) \$15,000.00.
2. The Client agrees to insure the Goods against all risks, with particular overage, and to obtain waiver of subrogation against Lab Service or its insurance carriers.
3. The Client agrees to indemnify and hold Lab Service harmless from and against any claim, suit, directive, subpoena, investigation, proceeding, demand, expense, loss or damage to the Goods in excess of the amount determined in Clause 1 above.
4. Lab Service for purposes of these clauses includes Laboratory Service, Inc., its parents, subsidiaries, affiliates and subcontractors, including each of the foregoing entities' directors, officers, employees, agents and representatives, and this Agreement is expressly intended for their benefit.
5. These clauses may be modified or eliminated solely by express agreement in writing signed by the president or a vice president of Laboratory Service, Inc.



QUALITY MANAGEMENT SYSTEM
 CERTIFIED BY DNV
 ISO 9001:2008

Univar USA, Inc.
 221 Boston Post Road East
 Suite 230
 Marlborough, MA 01752

Date: April 20, 2015

Report No.: 12

Attn.: Ms. Jackie Scalzi

Product: **SODIUM BISULFITE SOLUTION 40%**

Sample Size: 1 x 1 eight ounce
 Submitted Sample From: Univar, Redwood City, CA –
 labeled "TC-12 – SBS 38%"
 LSI WO Number: CL151783

Submitted sample tested as follows on May 1, 2015:

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Specific Gravity @25/25°C	1.33 typical	1.3568
NaHSO ₃	38% - 40%	39.1
SO ₂ Equivalent	24% typical	24.1
Iron	3 ppm max	0.9
pH 10% Aqueous	3.5 – 4.5	4.1

Karen Wing
 Vice President - Operations

KJC/njm

Report e-mailed to
jackie.scalzi@univarusa.com
karen.wing@univarusa.com



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
==== ISO 9001:2008 ====

LIABILITY, INSURANCE and INDEMNITY

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1. Lab Service will not be liable in respect to any bulk cargo, material, goods or parcel (collectively, "Goods"), directly or indirectly, in contract or in tort, to the cargo owners, shippers, bailees, consignees or underwriters, unless damage to or loss of the cargo is expressly and solely caused by Lab Service's negligence and in no event shall Lab Service's aggregate liability to all parties in interest in the Goods exceed the greater of (a) ten times the fee charges by Lab Service for the service performed or (b) \$15,000.00.
2. The Client agrees to insure the Goods against all risks, with particular overage, and to obtain waiver of subrogation against Lab Service or its insurance carriers.
3. The Client agrees to indemnify and hold Lab Service harmless from and against any claim, suit, directive, subpoena, investigation, proceeding, demand, expense, loss or damage to the Goods in excess of the amount determined in Clause 1 above.
4. Lab Service for purposes of these clauses includes Laboratory Service, Inc., its parents, subsidiaries, affiliates and subcontractors, including each of the foregoing entities' directors, officers, employees, agents and representatives, and this Agreement is expressly intended for their benefit.
5. These clauses may be modified or eliminated solely by express agreement in writing signed by the president or a vice president of Laboratory Service, Inc.

ABS Quality Evaluations

Certificate Of Conformance

This is to certify that the Quality Management System of:

Intertek

Commodities Division and Industry and Assurance Division, Food and Agri Business

**Global Headquarters
Global Headquarters
801 Travis Street, Suite 1500
Houston, TX 77002**

U.S.A.

(WITH ADDITIONAL FACILITIES LISTED ON ATTACHED ANNEX)

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:

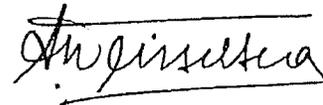
ISO 9001:2008

The Quality Management System is applicable to:

PROVISION OF INSPECTION AND TESTING SERVICES AND METER PROVING SERVICES

This certificate may be found on the ABS QE Website (www.abs-qe.com). For certificates issued in the People's Republic of China information may also be verified on the CNCA website (www.cnca.gov.cn).

Certificate No:	30701
Original Certification Date:	11 July 1994
Effective Date:	05 March 2015
Expiration Date:	28 March 2018
Revision Date:	05 March 2015



Alex Weisselberg, President



Validity of this certificate is based on the periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.

ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.
Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: San Francisco Facility
6050 Egret Court
Benicia, CA
U.S.A.

Activity: Provision of inspection and testing services

Facility: Bellingham Facility
801 West Orchard Street, Suite 5
Bellingham, WA
U.S.A.

Activity: Provision of inspection and testing services

Facility: Los Angeles Facility
1941 Freeman Avenue, Suite A
Signal Hill, CA
U.S.A.

Activity: Provision of inspection and testing services

Facility: Portland (OR) Facility
5880 NW St. Helens Road
Building No. 6
Portland, OR 97210
U.S.A.

Activity: Provision of inspection and testing services

Facility: Valdez Facility with Resident Inspectors at Anchorage and Kenai
354 Fairbanks Street
Valdez, AK
U.S.A.

Activity: Provision of inspection and testing services

Facility: Northpole Petrostar Facility
1200 H&H Lane
North Pole, AK
U.S.A.

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Valdez Petrostar Facility
2.5 Mile Dayville Road
Valdez, AK
U.S.A.

Activity: Provision of inspection and testing services

Facility: Honolulu Facility
91-110 Hanua Street, Suite 204
Kapolei, HI
U.S.A.

Activity: Provision of inspection and testing services

Facility: Pasadena Operations Facility
OPERATIONS
3741 Red Bluff Rd., Suite 105
Pasadena, TX
U.S.A.

Activity: Provision of Inspection Services

Facility: Channelview Facility (Houston)
16025B Jacintoport Boulevard
Houston, TX
U.S.A.

Activity: Provision of inspection and testing services

Facility: Deer Park Facility/Stolthaven Lab. (Houston)
1114 Seaco Avenue
Deer Park, TX
U.S.A.

Activity: Provision of inspection and testing services

Facility: Freeport, TX Facility
214 North Gulf Blvd.
Freeport, TX 77541
U.S.A.

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Nederland Facility
2780 Highway 69 North
Nederland, TX
U.S.A.

Activity: Provision of inspection and testing services

Facility: Corpus Christi Facility
134 Heinsohn Road, Suite A
Corpus Christi, TX
U.S.A.

Activity: Provision of inspection and testing services

Facility: Texas City Facility
728 4th Avenue South
Texas City, TX
U.S.A.

Activity: Provision of inspection and testing services

Facility: Lake Charles Facility
2717 Maplewood Drive
Sulphur, LA
U.S.A.

Activity: Provision of inspection and testing services

Facility: New Orleans Petro Facility
149 Pintail Street
St. Rose, LA
U.S.A.

Activity: Provision of inspection and testing services

Facility: Gonzales Facility
2632 Ruby Avenue
Gonzales, LA
U.S.A.

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: New Orleans Agri Facility
with Inspectors at Pasadena, TX
160 East St. James Drive, Suite 200
St. Rose, LA 70001
U.S.A.

Activity: Provision of inspection and testing services

Facility: Gretna Facility
2604 Moss Lane
Harvey, LA 70058
U.S.A.

Activity: Provision of inspection and testing services

Facility: Mobile Facility
109 Sutherland Dr
Chickasaw, AL
U.S.A.

Activity: Provision of inspection and testing services

Facility: Cincinnati Facility, with Resident Inspectors at Louisville, KY
4760 River Road
Cincinnati, OH
U.S.A.

Activity: Provision of inspection and testing services

Facility: Chicago Facility with Resident Inspectors
at Peoria and Rock Island, IL and St. Paul, MN
725 Oak Ridge Drive
Romeoville, IL
U.S.A.

Activity: Provision of inspection and testing services

Facility: Toledo Facility
1020 South Holland Sylvania Road
Holland, OH
U.S.A.

Activity: Provision of inspection services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Memphis Facility
4398 Hwy 77N
Marion, AR
U.S.A.

Activity: Provision of inspection and testing services

Facility: Pittsburgh Facility
105 Merchant Lane
Pittsburgh, PA
U.S.A.

Activity: Provision of inspection and testing services

Facility: St. Louis Facility
1211 Belgrove
St. Louis, MO
U.S.A.

Activity: Provision of inspection and testing services

Facility: Detroit Coke Battery Lab
1401 Zug Island Road
River Rouge, MI 48332
U.S.A.

Activity: Provision of testing services

Facility: Shenango Coke Battery Lab
200 Neville Road
Pittsburgh, PA
U.S.A.

Activity: Provision of laboratory services

Facility: Philadelphia Facility / Baltimore Satellite Facility
327 Erickson Avenue
Essington, PA
U.S.A.

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: New York Harbor Facility
1000 Port Carteret Drive
Carteret, NJ
U.S.A.

Facility: New Haven Facility
481A East Shore Parkway
New Haven, CT
U.S.A.

Activity: Provision of inspection and testing services

Activity: Provision of inspection and testing services

Facility: Boston Facility
230 Crescent Avenue
Chelsea, MA
U.S.A.

Facility: Norfolk Facility
109 Freedom Boulevard Ste. B
Yorktown, VA
U.S.A.

Activity: Provision of inspection and testing services

Activity: Provision of inspection and testing services

Facility: Wilmington, NC Facility
116 Bryan Road, Suite 101
Wilmington, NC 28412
U.S.A.

Facility: Tampa Facility
4951A Adamo Drive, Suite 130
Tampa, FL
U.S.A.

Activity: Provision of inspection and testing services

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Fort Lauderdale Facility
1881 State Road 84 West, Bay 105
Fort Lauderdale, FL
U.S.A.

Activity: Provision of inspection and testing services

Facility: Jacksonville Facility
1708 Marshall Street
Jacksonville, FL 32206
U.S.A.

Activity: Provision of inspection and testing services

Facility: Savannah Facility
312 Carolan Street
Savannah, GA 31415
U.S.A.

Activity: Provision of inspection and testing services

Facility: Aruba Facility
Lagoheights Street # 28A
San Nicolas
Aruba

Activity: Provision of inspection and testing services

Facility: Freeport Bahamas Facility
BORCO Administrative Building
West Sunrise Highway
Freeport
Bahamas

Activity: Provision of inspection and testing services

Facility: Santo Domingo Facility
Socorro Sanchez No. 9, Gazcue
Distrito Nacional
Santo Domingo
Dominican Republic

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Curacao Facility
Barendslaan 3
Rio Canario
Curacao
Netherland Antilles
Activity: Provision of inspection and testing services

Facility: St. Eustatius Facility
Man O'War Oranjestad
St. Eustatius
Netherland Antilles
Activity: Provision of inspection and testing services

Facility: Trinidad Facility
149 Southern Main Road
Marabella
Trinidad and Tobago
Activity: Provision of inspection and testing services

Facility: San Juan Facility / Yabucoa Lab
Carr. 28 Km 2.0
Luchetti Industrial Park
Bayamon, Puerto Rico 00961
U.S.A.
Activity: Provision of inspection and testing services

Facility: Baytown
8500 West Bay Road MS#37
Baytown, TX 77523
U.S.A.

Facility: Cushing OK
804 East North St.
Cushing, OK 74023
U.S.A.

Activity: Provision of Testing Services

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Canadian Head Office and Montreal Branch Office
2561 Georges V Avenue
Montreal-Est, QC H1L 6S4
Canada

Activity: Provision of inspection and testing services

Facility: Hamilton Facility
651 Burlington Street, Unit C
Hamilton, ON L8L 4J5
Canada

Activity: Provision of inspection and testing services

Facility: Sarnia Facility
269 A St. Andrew Street
Sarnia, ON N7T 2L3
Canada

Activity: Provision of inspection and testing services

Facility: Point Tupper Facility
131 Heavy Water Road, Unit 1
Point Tupper, NS B9A 3T3
Canada

Activity: Provision of inspection and testing services

Facility: Levis Facility
460 3ieme Avenue
Suite 300
Levis, QC G6W 5M6
Canada

Activity: Provision of inspection and testing services

Facility: Dartmouth Facility
20 Orion Court
Dartmouth, NS B2Y 4W6
Canada

Activity: Provision of inspection and testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Vancouver Facility
3771 North Fraser Way, Unit 17
Burnaby, BC V5J 5G5
Canada

Activity: Provision of inspection and testing services

Facility: Thunder Bay Facility
960 C Alloy Drive
Thunder Bay, ON P7B 6A4
Canada

Activity: Provision of inspection and testing services

Facility: Come by Chance Facility
PO Box 118 - 1 Refinery Road
Come by Chance, NF A0B 1N0
Canada

Activity: Provision of inspection and testing services

Facility: Saint John Facility
885 Bayside Drive
Saint John, NB E2R 1A3
Canada

Activity: Provision of inspection services

Facility: Winnipeg Facility
973 St. James Street
Winnipeg, MB R3H 0X2
Canada

Activity: Provision of inspection and testing services

Facility: Irving Oil Refinery Laboratory
340 Loch Lomond Road
Saint John, NB E2J 1Y3
Canada

Activity: Provision of testing services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation

ABS Quality Evaluations

ISO 9001:2008

Certificate Of Conformance

ANNEX

Certificate No: 30701

Intertek

At Below Facilities:

Facility: Labatt Halifax
3055 Agricola Street
Halifax, NS B3K 4G2
Canada

Activity: Provision of testing services

Facility: Shell Winnipeg Laboratory
212 Panet Road
Winnipeg, MB R2L 0S3
Canada

Activity: Provision of testing services

Facility: KCS Lake Arthur
5233 Hwy 26
Lake Arthur, LA 70549
U.S.A.

Activity: Provision of Meter Proving Services

Facility: KCS Schriever
2831 Hwy 311
Schriever, LA 70395
U.S.A.

Activity: Provision of Meter Proving Services



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation



THATCHER COMPANY P.O. BOX 27407 SALT LAKE CITY, UTAH 84127
 (801) 972-4587 PHONE
 (801) 972-4604 FAX

CERTIFICATE OF ANALYSIS

SODIUM BISULFITE 40%

This is to certify that the listed shipment of Sodium Bisulfite 40% was assayed with the following results:

Lot No: 15-02482
 Date: April 15, 2015
 Ship To: South Davis Sewer
 Invoice No: 1371874

Analysis	Specifications	Results
Turbidity	Record	11
pH @ 25C:	5.0-5.4	5.1
Specific Gravity @ 15C:	1.345-1.365	1.358
% Sodium Bisulfite	39.9%-40.4%	39.9%
% SO ₂	24.6%-24.9%	24.6%

Authorized Signature:
 Thatcher Company

Karen Greenig



DRINKING WATER TREATMENT CHEMICAL
 ANSI/NSF 60
 <35Y2>


CERTIFICATE OF ANALYSIS


Univar USA Inc.
 525 Seaport Blvd.
 Redwood City, CA 94063
 PH. 650-363-1661
 FAX 650-261-2020
www.univarusa.com

DATE: 5/6/2015

PRODUCT: Sodium Bisulfite Solution, 25%

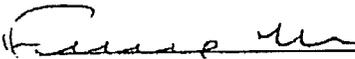
PRODUCT GRADE: NSF

UNIVAR PRODUCT CODE: 797233

UNIVAR LOT/PJO NUMBER: RO055816323

<u>TEST</u>		<u>RESULTS</u>	<u>SPECIFICATIONS</u>
Titrate NaHSO ₃	%	25.40	24.0% - 26.0%
Specific Gravity @ 60°F		1.2100	1.183 - 1.202
pH		4	3.5 - 5.0

Univar USA Inc.

 (Signature)

FERNANDO MOLINA (Print Name)

LAB. TECH. (Job Title)

Notes:

SO # STOCK

This product meets FCC (Food Chemical Codex) specifications.
 NSF

Consult the MSDS for additional information.

All information is based on data obtained from the manufacturer or other recognized technical sources. The information is believed to be accurate. Univar USA Inc. ("Univar") makes no representation or warranty, express or implied, concerning the accuracy or sufficiency of the information. Univar is not liable for any damages resulting from the use or non-use of the information. All transactions involving this Product are subject to Univar's standard Terms and Conditions, available at www.univarusa.com or upon request. Univar makes no additional representations or warranties, express or implied, as to the Product.

Exhibit B:
Insurance Requirements
(Chemical Vendor - Sodium Bisulfite)

Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Contractor, their agents, representatives, employees or subcontractors.

MINIMUM SCOPE AND LIMIT OF INSURANCE

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than **\$1,000,000** per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability (AL):** ISO Form Number CA 00 01 covering any auto (Code 1) with combined single limits of liability of no less than **\$1,000,000** per accident for bodily injury and property damage, including **MCS90** endorsement form.
3. **Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than **\$1,000,000** per accident for bodily injury or disease.

If the contractor maintains higher limits than the minimums shown above, the City of Stockton requires and shall be entitled to coverage for the higher limits maintained by the contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City of Stockton.

Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

- ***Additional Insured Status***
The *City of Stockton, its Mayor, Council, officers, representatives, agents, employees and volunteers* are to be covered as additional insureds on the CGL and AL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance (**at**

least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).

- **Primary Coverage**

For any claims related to this contract, the Contractor's insurance coverage shall be primary insurance as respects the *City of Stockton, its Mayor, Council, officers, representatives, agents, employees and volunteers*. Any insurance or self-insurance maintained by the *City of Stockton, its Mayor, Council, officers, representatives, agents, employees and volunteers* shall be excess of the Contractor's insurance and shall not contribute with it. The City of Stockton does not accept primary endorsements limiting the Contractor's insurance coverage to sole negligence.

- **Notice of Cancellation**

Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City of Stockton.

- **Waiver of Subrogation**

Contractor hereby grants to the City of Stockton a waiver of any right to subrogation which any insurer of said Contractor may acquire against the City of Stockton by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City of Stockton has received a waiver of subrogation endorsement from the insurer.

- **Deductibles and Self-Insured Retentions**

Any deductibles or self-insured retentions must be declared to and approved by the City of Stockton Risk Services. The City of Stockton may require the Contractor to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.

- **Acceptability of Insurers**

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII if admitted to do business in the State of California; If not admitted to do business in the State of California, insurance is to be placed with insurers with a current A.M. Best's rating of no less than A+:X.

- **Claims Made Policies**

If any of the required policies provide claims-made coverage:

- The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work.

- If Claims Made policy form is used, a three (3) year discovery and reporting tail period of coverage is required after completion of work.
- **Verification of Coverage**
Contractor shall furnish the City of Stockton with original certificates and amendatory endorsements required by this clause. All certificates and endorsements are to be received and approved by the City of Stockton Risk Services before work commences. Failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City of Stockton reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time, for any reason or no reason.
- **Special Risks or Circumstances**
The City of Stockton reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other circumstances.
- **Certificate holder address**
Proper address for mailing certificates, endorsements and notices shall be:
 - City of Stockton
 - Attention: Risk Services
 - 425 N. El Dorado Street
 - Stockton, CA 95202

City of Stockton Risk Services Phone: 209-937-5037

City of Stockton Risk Services Fax: 209-937-8558

- **Maintenance of Insurance**
If at any time during the life of the Contract or any extension, the Contractor fails to maintain the required insurance in full force and effect, all work under the Contract shall be discontinued immediately. Any failure to maintain the required insurance shall be sufficient cause for the CITY to terminate this Contract.
- **Subcontractors**
If the Contractor should subcontract all or any portion of the work to be performed in this contract, the Contractor shall cover the sub-contractor, and/or require each sub-contractor to adhere to all subparagraphs of these Insurance Requirements section. Similarly, any cancellation, lapse, reduction or change of sub-contractor's insurance shall have the same impact as described above.