

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

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



September 10, 2015

Jefferson Parish  
Purchasing Department  
200 Derbigny Street, #4400  
Gretna, LA 70053

RE: Invitation to Bid – #50-00114227 – Chemicals

To Whom It May Concern:

Univar USA Inc. is pleased to offer a price quote on your ITB due Thursday, September 10, 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,

*Michelle Wick*

Municipal Specialist  
Univar USA Inc.  
[muniteam@univarusa.com](mailto:muniteam@univarusa.com)  
[www.univar.com](http://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.

Univar USA Inc.  
34200 Distribution Lane  
Geismar, LA 70734

T 225-473-1100  
F 225-473-4442



[www.univarusa.com](http://www.univarusa.com)

## GENERAL INFORMATION

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

Monday – Friday 7:30 am – 4:30 pm (CST)

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

For Chemical Related Emergencies:

ChemTrec: (800) 424-9300

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

Office Phone: (225) 473-1100 Customer Service  
Office Fax: (225) 473-4442

Customer Service [custsvc-geis@univarusa.com](mailto:custsvc-geis@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. 212<sup>th</sup>  
Kent, WA 98032-1994

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

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

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

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

### Remittance Address:

Univar USA Inc.  
PO Box 849027  
Dallas, TX 75284

### Standard Payment Terms:

Net 30 days

## Request for Taxpayer Identification Number and Certification

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

Print or type  
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Univar USA Inc.

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:

☐ Individual/sole proprietor

☒ C Corporation

☐ S Corporation

☐ Partnership

☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Other (see instructions) ▶

Exemptions (see instructions):

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

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

Address (number, street, and apt. or suite no.)

3075 Highland Pkwy Ste 200

City, state, and ZIP code

Downers Grove, IL 60515-5560

List account number(s) here (optional)

Requester's name and address (optional)

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

Employer identification number

9 1 - 1 3 4 7 9 3 5

### Part II Certification

Under penalties of perjury, I certify that:

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

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign  
Here

Signature of  
U.S. person ▶

*David P. Smith*

Date ▶ 1/1/2015

### General Instructions

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

**Future developments.** The IRS has created a page on [www.irs.gov/w9](http://www.irs.gov/w9) for information about Form W-9, at [www.irs.gov/w9](http://www.irs.gov/w9). Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

**Note.** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

*\* Sample \**



# 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
INSURED Univar Inc. 3075 Highland Parkway Suite 200 Downers Grove IL 60515 USA	E-MAIL ADDRESS:	
	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:		

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			CA 4806893 Commercial Auto (AOS)	03/01/2015	06/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000
B	<input checked="" type="checkbox"/> ANY AUTO			CA 4806894 Commercial Auto (MA)	03/01/2015	06/01/2016	BODILY INJURY (Per person)
B	<input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS			CA 4806895 Commercial Auto (VA)	03/01/2015	06/01/2016	BODILY INJURY (Per accident)
B	<input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION			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	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'l Legal Liab			PLS6292901	03/01/2015	06/01/2016	Aggregate \$15,000,000 Agg Ded \$500,000 Occurrence \$15,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Evidence of Insurance.

## CERTIFICATE HOLDER

## CANCELLATION

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

Certificate No : 570056947300



# 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



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**5000114227 - TWO (2) YEAR CONTRACT FOR VARIOUS CHEMICALS  
FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS -  
WATER**

Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

27-Aug-2015 09:29:57 AM



**Bid Number 50 – 00114227**

**TWO (2) YEAR CONTRACT FOR VARIOUS CHEMICALS FOR THE  
JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS – WATER**

**BID DUE: THURSDAY, SEPTEMBER 10, 2015 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions  
in the technical specifications and Jefferson Parish Instructions for Bidders and  
General Terms and Conditions. All bids must be received in the Purchasing  
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053**

**Buyer Name: Misty A. Camardelle  
Buyer Email: [mcamardelle@jeffparish.net](mailto:mcamardelle@jeffparish.net)  
Buyer Phone: 504-364-2683**

**Two (2) Year Contract for Various Chemicals for the Jefferson Parish  
Department of Public Works - Water**

**BID SPECIFICATIONS FOR CHEMICALS**

Liquid Ammonia, Zinc Sodium Hexametaphosphate, Bulk Polydadmac Polyelectrolyte Clarifloc,  
Ammonium Hydroxide Solution, Powdered Activated Carbon, & Liquid Chlorine, Fluorosilicic  
Acid, And Liquid Aluminum Sulfate

**Specifications for Line # 0010 (Bulk Liquid Ammonia)**

- A. The Liquid Ammonia must be certified for use in drinking water under National Sanitation Foundation Standard 60.
- B. The vendor must provide for the transfer of the Bulk Liquid Ammonia via his own hoses and truck mounted transfer pump. Vendor's hose connections must be compatible with the 1-1/4 inch acme adaptor on our tanks. Vendors must verify compatibility of their hose connections with our tanks before bidding (Contact Plant Superintendents at 504-838-4398 for Eastbank and 504-349-5085 for Westbank). The Ammonia will be placed into the storage tanks at each waterworks location by the delivery driver and will be supervised by the appropriate waterworks personnel.
- C. The Ammonia vendor shall provide an Annual Ammonia Safety Training Program at each waterworks facility as part of the contract obligation at no additional charge.

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**Specifications for Line #0020 (Zinc Sodium Hexametaphosphate)**

- A. The Zinc Sodium Hexametaphosphate bid must be equivalent to Virginia Chemical Vir Chem 937, Shannon Chemical Shan-No-Cor, or Calgon C-8 Or C-9, containing no less than 65% as Phosphate and 6.5% as Zinc; must be a free-flowing granular material sized such that at least 75% will pass a 10 mesh sieve and will be retained on a 80 mesh sieve; and must be soluble up to 3 lb/gal of cold tap water and remain free of precipitates for at least 5 days after preparation. Products requiring hot water for solution preparation are not acceptable.
- B. The Zinc Sodium Hexametaphosphate must be certified for use in drinking water under National Sanitation Foundation Standard 60.
- C. A technical information sheet indicating the percent composition of active ingredients must accompany each bid. The bid award will be based upon the lowest price per ton of the primary active ingredient, Metaphosphate (P205).



- D. The Zinc Sodium Hexametaphosphate must be supplied in 50 lb pails which are properly palletized on wooden pallets such that unloading can be promptly accomplished by waterworks personnel using their forklift.
- 

**Specifications for Line #0030 (Bulk Polydadmec Polyelectrolyte Clarifloc C-308p)**

- A. The Polydadmec (Polydiallyldimethylammonium Chloride) bid must be one of the following:
- a. Polydyne C-308P, Cytec Industries 587-C, Chemlink per Chem 550, Nalco 8792, G.S. Robin 120, CPS Chemical Agefloc Wt-20hv, Callaway Chemical Jay Floc 842, Citichem Chemfloc 615, or Calgon Cat-Floc T, T2, L or LS.
- B. The Polydadmec shall have a specific gravity of 1.03 - 1.05 g/ml, a viscosity less than 300 cps at 25 degrees, a shelf life of 12-24 months, and freezing point of minus 5 degrees C.
- C. The Polydadmec must meet the requirements of the latest version of American Water Works Association Standard B451 and must be certified for use in drinking water under National Sanitation Foundation Standard 60 to a dosage of 10 mg/L.
- D. Each vendor must bid only one Polydadmec product, clearly indicating the product name on the bid. A technical information sheet on the product bid award will be based upon the lowest price per ton of active ingredient.
- E. Shippers must provide the necessary properly sized equipment to quickly unload their product into the designated storage tanks at the delivery site.
- 

**Specifications for Line #0040 (Ammonium Hydroxide Solution)**

- A. The 29.4% Ammonium Hydroxide Solution must be certified for use in drinking water Under National Sanitation Foundation Standard 60.
- B. The bid price of the Ammonium Hydroxide shall include any and all fees associated with drum return, such as environmental or cleaning fee.
- C. Shippers must provide necessary properly sized equipment to quickly unload their product at the delivery site.
-

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**Specifications for Line #0050 (Bulk Powdered Activated Carbon for Broad Spectrum)**

- A. The Powdered Activated Carbon must meet the requirements of the latest version of American Water Works Association Standard B600, must have a Phenol value of 1.8 - 3.2 g/L, and must be certified for use in drinking water under National Sanitation Foundation Standard 60.
  - B. Each vendor must bid only one PAC product, clearly indicating the product name on the bid. A technical information sheet on the product bid must accompany the bid.
  - C. Shippers must provide the necessary properly sized equipment to quickly unload their product into the designated storage tanks at the delivery site.
- 

**Specifications for Lines #0060 & #0070 (Liquid Chlorine)**

- A. The Liquid Chlorine must meet the requirements of the latest version of American Water Works Association Standard B301 and must be certified for use in drinking water under National Sanitation Foundation Standard 60.
  - B. A comprehensive Quality Tracking Program (QTP) must be submitted by the supplier with the bid proposal and annually thereafter. The QTP must address the required Chlorine purity specifications and include documentation and reporting protocols to insure Chlorine Cylinder Integrity.
  - C. Chlorine Cylinder Valves must be properly aligned and the valve threads must be in good condition upon receipt. Otherwise the cylinder will be rejected and returned to the vendor.
  - D. The Chlorine vendor shall provide an Annual Chlorine Safety Training Program at each waterworks facility as part of the contract obligation at no additional charge.
  - E. Shippers must provide the necessary equipment to quickly unload one ton cylinders at the delivery site and pick up empty cylinders. Any cost associated with the pickup and return of empty cylinders shall be included in the bid price.
- 

**Specifications for Item #0080 (Fluorosilicic Acid)**

- A. The Fluorosilicic Acid must meet the requirements of the latest version of American Water Works Association Standard B703 and must be certified for use in drinking water under National Sanitation Foundation Standard 60.
- B. The bid price of the Fluorosilicic Acid shall be made on a 100% dry basis such that a shipment of 25% Fluorosilicic Acid shall be paid at a rate of 25% of the bid price. A

certified analysis indicating the percentage Fluorosilicic Acid must accompany each shipment.

- C. Shippers must provide the necessary properly sized equipment to quickly unload their product into the designated storage tanks at the delivery site.
- D. In the event that any commodity sought in this bid is the subject of a nationwide product shortage which can be verified by Jefferson Parish, then Jefferson Parish will agree to suspend the obligation of the vendor to supply that commodity during any period of its unavailability. Price is based on 100 % acidity adjusted basis and 20 ton minimum releases.

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**Specifications for Item #0090 (Liquid Aluminum Sulfate)**

- A. The Liquid Aluminum Sulfate must be approximately 48.5% by weight dry Aluminum Sulfate (  $Al_2(SO_4)_3 \cdot 14H_2O$ , MW=594) and meet the requirements of the latest version Of American Water Works Association Standard B403, and must be certified for use in drinking water under National Sanitation Foundation Standard 60.
  - B. The bid price of the Liquid Aluminum Sulfate shall be made on a 100% dry basis such that a shipment of 48.5% Liquid Aluminum Sulfate shall be paid at a rate of 48.5% of the bid price. A certified analysis indicating the percentage must accompany each shipment.
  - C. Shippers must provide the necessary properly sized equipment to quickly unload their product into the designated storage tanks at the delivery site.
-

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**Water Department Chemical Bid quantities**

**0001 Bulk Liquid Ammonia** delivered freight prepaid in 2 or 3 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**220 tons**

**0002 Zinc Sodium Hexametaphosphate** delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**120 tons**

**0003 Bulk PolyDADMAC Polyelectrolyte** delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**1300 tons**

**0004 Ammonium Hydroxide Solution, 29.4%,** in 55 gal drums delivered freight prepaid in 10 drum shipments to 171A Birch Lane, Grand Isle, LA 70358 as required .

**90 drums**

**0005 Bulk Powdered Activated Carbon** for broad spectrum organics removal delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**400 tons**

**0006 Liquid Chlorine** in one ton cylinders delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**1300 tons**

**0007 Liquid Chlorine** in 150 pound cylinders delivered in **1500 lb shipments** freight prepaid to West Jefferson Waterworks 171A Birch Lane, Grand Isle, LA 70358 as required

**30,000 pounds**

**0008 Bulk Fluorosilicic Acid** bid on a 100% dry basis delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**140 tons**

**0009 Bulk Liquid Aluminum Sulfate** bid on a 100% dry basis delivered freight prepaid in 20 ton shipments to both the Eastbank and the Westbank Water treatment plants as required .

**3100 tons**

DATE: 8/26/2015

INVITATION TO BID  
THIS IS NOT AN ORDER

BID NO.: 50-00114227

**JEFFERSON PARISH**

Page: 1

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

BUYER: MCamardelle@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 9/10/2015 AND PUBLICLY OPENED THEREAFTER.

**LATE BIDS WILL NOT BE ACCEPTED**

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Registration forms may be downloaded from [www.purchasing.jeffparish.net](http://www.purchasing.jeffparish.net) and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(B)(5). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

**This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.**

**Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

**PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE  
CORRESPONDING INSTRUCTIONS BELOW.**

**5, 10, 12, 13, 15**

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
16. Since a bid surety is required, bid response may not be faxed. Bid submission will only be accepted online or as delivered to the Purchasing Department, 200 Derbigny Street, Suite 4400, Gretna, LA 70053 by 11am on the bid due date. All sureties must be in original format (no copies).

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.



DATE: 8/26/2015

Page: 5

BID NO.: 50-00114227

**BID FORM**  
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES ☒ NO ☐

MAXIMUM ESCALATION PERCENTAGE REQUESTED 5 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 10-31-17

*Manual Agreement with  
Supporting documents  
if price  
increases.*

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

3-5 Days

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

N/A

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Univar USA, Inc.

ADDRESS: 8201 S. 212TH ST

CITY, STATE: Kenner, LA ZIP: 70032

TELEPHONE: (253) 872-5084 FAX: (253) 872-5041

EMAIL ADDRESS: Michelle.Wick@univarUSA.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: N/A

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 64,260.00

AUTHORIZED SIGNATURE: [Signature]

Michelle Wick

TITLE: Municipal Specialist

Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00114227

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	220.00	TN	<p>TWO (2) YEAR CONTRACT FOR VARIOUS CHEMICALS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - WATER</p> <p>0010 BULK LIQUID AMMONIA (DELIVERED FREIGHT PREPAID IN</p> <p>APPROXIMATELY 2 OR 3 TON SHIPMENTS TO BOTH THE EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).</p> <p>DELIVERY LOCATIONS:</p> <p>EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072</p>	NO BID	0.00
2	120.00	TN	<p>0020 ZINC SODIUM HEXAMETAPHOSPHATE (DELIVERED FREIGHT PREPAID IN 20 TON</p> <p>SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).</p> <p>DELIVERY LOCATION:</p> <p>EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072</p>	NO BID	0.00
3	1,300.00	TN	<p>0030 BULK POLYDADMAC POLYELECTROLYTE CLARIFLOC C-308P (DELIVERED FREIGHT</p> <p>PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).</p> <p>DELIVERY LOCATION:</p> <p>EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072</p>	NO BID	0.00
4	90.00	DRUM	<p>0040 AMMONIUM HYDROXIDE SOLUTION, 29.4% IN 55 GALLON DRUMS</p> <p>(DELIVERED FREIGHT PREPAID IN 10 DRUM SHIPMENTS AS REQUIRED).</p> <p>DELIVERY TO: GRAND ISLE, LA 70358</p>	NO BID	0.00
5	400.00	TN	<p>0050 BULK POWDERED ACTIVATED CARBON FOR BROAD SPECTRUM ORGANICS REMOVAL</p> <p>(DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).</p> <p>DELIVERY LOCATION:</p> <p>EASTBANK PLANT - JEFFERSON, LA 70121</p>	NO BID	0.00

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00114227

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
6	1,300.00	TN	WESTBANK PLANT - MARRERO, LA 70072  0060 LIQUID CHLORINE IN 1 TON CYLINDERS (CYLINDERS DELIVERED FREIGHT PREPAID  IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).  DELIVERY LOCATION:  EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072	No Bid	0.00
7	30,000.00	LB	0070 LIQUID CHLORINE IN 150 POUND CYLINDERS  (CYLINDERS DELIVERED IN 1500 LB SHIPMENTS FREIGHT PREPAID AS REQUIRED)  DELIVERY TO: GRAND ISLE, LA 70358	No Bid	0.00
8	140.00	TN	0080 BULK FLUOROSILICIC ACID BID ON A 100% DRY BASIS (DELIVERED FREIGHT  PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).  DELIVERY LOCATION:  EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70075	459.00	64,260.00
9	3,100.00	TN	0090 BULK LIQUID ALUMINUM SULFATE BID ON A 100% DRY BASIS (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EASTBANK AND WESTBANK WATER TREATMENT PLANTS AS REQUIRED).  DELIVERY LOCATION:  EASTBANK PLANT - JEFFERSON, LA 70121 WESTBANK PLANT - MARRERO, LA 70072	No Bid	0.00



**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 8 day of September, 2015.



A handwritten signature in dark ink, appearing to read "Perry T. Kusakabe".

Perry T. Kusakabe  
Corporate Secretary



**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**

## **Non-Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

**Non-Public Works Bid****AFFIDAVIT**STATE OF WashingtonPARISH/COUNTY OF King

BEFORE ME, the undersigned authority, personally came and appeared: Michelle Wick, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Municipal Specialist of Univer 25th Ave (Entity), the party who submitted a bid in response to Bid Number 50-00114227 to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ✓ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ☒ There are **NO** debts which would require disclosure under Choice A of this section.

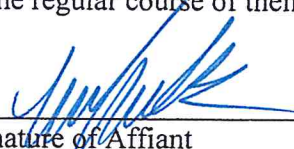
Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*



That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

  
\_\_\_\_\_  
Signature of Affiant

Michelle Wick  
\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 8 DAY OF September, 2015.

  
\_\_\_\_\_  
Notary Public

Jennifer M. Perras  
\_\_\_\_\_  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires April 24, 2019



**INSURANCE REQUIREMENTS - BIDS**

All insurance requirements shall conform to Jefferson Parish Resolution No. 113646 or No. 113647. The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and said Parish Resolutions. Except as otherwise provided by law, the Parish Attorney's Office with the concurrence of the Director of Risk Management is authorized to omit in whole or part the insurance requirements of this section in connection with contracts. Vendors inquiring about this shall submit his written request to the Purchasing Department prior to the due date of the bid. Contractor must deliver and maintain such insurances as provided; failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

*Successful bidder will be required to procure standard insurance policies evidencing Parish mandated insurance requirements indicated below. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected.*

**1. WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

**2. COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

**3. COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.  
Property Damage Liability \$1,000,000.00 each occurrence.

**DEDUCTIBLES**

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**CONSTRUCTION AND RENOVATION PROJECTS:**

Unless otherwise specified in the bid, these additional insurance is required. Such insurance is due upon contract execution.

**OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

**BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

**NOTE for CERTIFICATE HOLDER:**

All insurance certificates shall list the certificate holder as follows:

"The Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council." Additionally, the address on the Certificates should reflect the department which is letting the bid and reference the respective bid number.

Revised 2.10.2014



QUALITY • SERVICE • COMMITMENT

9503 Dovewood Place • Waxhaw, NC 28173  
Phone: (704) 843-9873 • Fax: (704) 973-9281

## HYDROFLUOROSILICIC ACID

### SALES SPECIFICATION

#### Chemical Analysis

	Specification	Typical
Assay ( $\text{H}_2\text{SiF}_6$ )	Minimum 23.00%	23.0%
Fluorine (F)	18.22% $\pm$ 1.5%	19.0%
Heavy Metals such as Lead (Pb)	0.02% max	0.0002%
Hydrofluoric Acid (HF)	Less than 1.00%	nil

#### Physical Properties

Description	Typically water white meeting both the AWWA Standard B703a-97 and the NSF/ANSI Standard 60 for Fluorosilicic Acid.
Color	Typically water white solution with a less than 100 units (APHA) in accordance with method 2120B, visual comparison method.
Specific Gravity	1.22 ( $\text{H}_2\text{O} = 1$ ) for 23% @ 70°F
Boiling Point for 23%	222.5°F
Freezing Point for 23%	4°F (-15.5°C)
Molecular Weight	144.08
Weight per Gallon for 23%	10.2 lbs / gal

*The information herein is believed to be reliable and is to assist customers in determining whether our products are suitable for their applications. However, no warranty, express or implied is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness nor of protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages. We shall not be liable for damages to person or property resulting from its use. Consult the Material Safety Data Sheet for additional information.*

Rev 01/2014



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Phone: (704) 843-9873 • Fax: (704) 973-9281

## **Hydrofluorosilicic Acid 23%**

### **Affidavit of Compliance with NSF / AWWA Current Standard**

To Whom It May Concern:

This letter certifies that the Hydrofluorosilicic Acid furnished by Key Chemical will meet or exceed all of your required specifications (AWWA B703, NSF 60).

Attached is a UL (an ANSI Accredited Agency) certification attesting that our product meets current AWWA/NSF standards.

Please note our material is manufactured in the USA.

Key Chemical is a strong supplier to the water treatment industry. We look forward to being a reliable supplier bringing you quality products when you need them.

Best Regards,

A handwritten signature in black ink, appearing to read "Steven V. Norris", with a long horizontal line extending to the right.

Steven V. Norris  
President

# Certificate of Compliance

Certificate Number 20110118 – MH47618-25246  
Report Reference MH47618, 2010 February 01  
Issue Date 2011 January 18

Page 1 of 1



*Issued to:* **KEY CHEMICAL INC**  
**9503 DOVEWOOD PL**  
**WAXHAW, NC 28173 USA**

*This is to certify that  
representative samples of*

## **Drinking Water Treatment Chemicals**

**Model Descriptions:** Hydrofluosilicic Acid 20-25% (Fluosilicic Acid).


*Have been investigated by Underwriters Laboratories Inc.® in accordance  
with the Standard(s) indicated on this Certificate.*

*Standard(s) for Safety:* **The basic standard used to investigate products in this category is ANSI/NSF 60-2009, "Drinking Water Treatment Chemicals - Health Effects."**

*Additional Information:* **Marking:**  
**Bakersville, NC**

<b>Product</b>	<b>Maximum Use Level, mg/L</b>
<b>Hydrofluosilicic Acid 20-25%</b>	<b>6.0</b>

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle symbol:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and, the product category name (product identity) as indicated in the appropriate UL Directory.

**Look for the UL Classification Mark on the product**

**William R. Carney**  
**Director, North American Certification Programs**

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/global/eng/pages/corporate/contactus/>



## MATERIAL SAFETY DATA SHEET FLUROSILICIC ACID

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Key Chemical, Inc  
9503 Dovewood Place  
Waxhaw, NC 28173

EMERGENCY TELEPHONE NUMBER:  
Chemtel 800-255-3924

TRADE NAME:  
Hydrofluorosilicic Acid  
CHEMICAL NAME:  
Fluorosilicic Acid

IDENTIFICATION NUMBER:  
UN 1778  
SYNONYMS:  
Fluorosilicic Acid, HFS

### 2. INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Units</u>
Water	7732-18-5	70-80	Not Est.	Not Est.	Not Est.
Fluorosilicic Acid	16961-83-1	20-30	2.5 (As F-)	2.5 (As F-)	mg/M <sup>3</sup>
Hydrogen Fluoride	7664-39-3	0-1	3 (C)	3 6 (STEL)	ppm ppm

ACGIH TLVs are based on 1997 values. OSHA PELs are based on the more stringent 1987 values, which were subsequently vacated by the courts. All values are 8-hour time-weighted averages unless otherwise noted. (C) represents a ceiling exposure limit that should not be exceeded at any time. (STEL) represents Short Term Exposure Limit - normally 15 minutes.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Product is a clear liquid with a pungent, sour, penetrating odor. Liquid may cause severe irritation and chemical burns of the eyes, skin, mucous membranes, and respiratory tract. Development of hydrofluoric acid burns may take up to 12 hours after exposure. Wear appropriate personal protective equipment. Keep individuals not involved in the clean-up out of the area. Prevent spread of release by diking with earth, sand, or other non-reactive materials. Prevent entry into storm or sanitary sewers, ground water, or soil. Releases may be reportable to local, state, and/or federal authorities. Absorb releases material with a sorbent suitable for acidic materials or pump into appropriate containers for disposal. After clean up, slowly neutralize residual materials with a weakly basic media, preferably ground or powdered limestone. All materials collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected material to be non-hazardous.

### 3. HAZARDS IDENTIFICATION - Continued

#### POTENTIAL HEALTH EFFECTS:

Eye:	May cause severe irritation and chemical burns of the eyes. Burns may not become evident for up to 12 hours after exposure.
Skin Contact:	May cause severe irritation and chemical burns of the skin. Burns may not become evident for up to 12 hours after exposure.
Skin Absorption:	Not known to be absorbed through the intact skin.
Ingestion:	MAY BE FATAL IF LARGE AMOUNTS ARE INGESTED. May cause abdominal pain diarrhea, vomiting, excess salivation, and painful spasms of the limbs.
Inhalation:	May cause severe irritation and chemical burns of the nose, throat, mucous membranes and respiratory tract.

Chronic and Carcinogenicity: Prolonged exposure may cause dermatitis. The product has not been identified as a carcinogen or potential carcinogen. Pre-existing skin, lung, central nervous system, and kidney conditions may be aggravated by exposure to the components of the product. Exposure to fluorides at concentrations well above the TLV or PEL may cause a chronic bony fluorosis. See Section 11.

### 4. FIRST AID MEASURES

Inhalation:	Remove exposed person to fresh air. If breathing is difficult, oxygen may be administered. If breathing has stopped, artificial respiration should be started immediately. Seek medical attention.
Eyes:	Flush with tepid water for at least 20 minutes holding the eyelids wide open. Seek medical attention immediately.
Skin:	Wash thoroughly with mild soap and water. Seek medical attention immediately and advise medical personnel of possible hydrogen fluoride exposure. Remove any contaminated clothing and discard properly.
Ingestion:	SEEK MEDICAL ATTENTION IMMEDIATELY. Give water or milk to dilute. Do not induce vomiting unless directed by licensed medical personnel. Advise medical personnel of possible fluoride and hydrogen fluoride exposure. Never give anything by mouth to an unconscious individual.

### 5. FIRE FIGHTING MEASURES

Flash Point:	NA	LEL:	NA	UEL:	NA	Auto Ign. Temp.:	NA
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Product will not ignite. Material in or near fires should be cooled with a water spray or fog if compatible with fire fighting techniques for the other materials involved in the fire. A self-contained breathing apparatus operating in the positive pressure mode and full fire fighting gear should be worn for combating fires. Water used to fight fires should be contained. See Section 12.

### 6. ACCIDENTAL RELEASE MEASURES

Prevent spread of release by diking with earth, sand, or other non-reactive materials. Absorb releases with a sorbent suitable for acidic materials or pump into appropriate containers for disposal. After initial clean up, slowly neutralize the release area with a weakly basic media, preferably ground or powdered limestone. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations. All materials collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected material to be non-hazardous. Releases may be reportable to local, state, and/or federal authorities. See Sections 12 & 15.



## 7. HANDLING AND STORAGE

Do not store in metal containers or with or near incompatible materials cited in Section 10. Store in tightly closed containers out of contact with the elements and in a well-ventilated area. Appropriate personal protective equipment cited in Section 8 should be worn during handling. Good housekeeping and engineering practices should be employed to prevent spills of the product in the workplace. Any spills should be cleaned up as soon as possible to minimize the possibility of contact. See Section 6. Wash hands and face thoroughly before eating, drinking or smoking.

## 8. EXPOSURE CONTROL - PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation should be provided to maintain exposures below the limits cited in Section 2. Design details for local exhaust ventilation systems may be found in the latest edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI, 48910. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer.

**Respiratory Protection:** If exposures may exceed the limits cited in Section 2, use, as a minimum, a NIOSH approved 1/2 face-piece respirator with cartridges approved for acid gases, hydrogen fluoride. If exposures exceed 10 times the limits cited in Section 2, consult your respiratory protection equipment supplier or a professional industrial hygienist for selection of the proper equipment. The evaluation of the need for respiratory protection should be made by a professional industrial hygienist.

**Eye Protection:** Chemical protective goggles are recommended where there is the possibility of eye contact with the product. Safety glasses with side-shields are recommended for all other operations.

**Protective Gloves:** Polymeric gloves are recommended to prevent possible chemical burns. Butyl rubber is recommended.

**General:** A butyl coated apron or other body covering is recommended where regular work clothing may become contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND PHYSICAL STATE: Clear to Yellow Liquid with Pungent Odor	EVAPORATION RATE (BUTYL ACETATE = 1): NA
VAPOR DENSITY (AIR =1): N/A	FREEZE POINT: 4° F
pH: 1.5 - 2 (1-10% concentration)	BOILING POINT: 225° F
SPECIFIC GRAVITY/BULK DENSITY: 1.21 (water = 1)	% Volatile: NA
% SOLUBILITY (H <sub>2</sub> O): 100%	Bulk Density: 9.7-10.2 lb. /gallon at 20-25% sol. @75°

## 10. STABILITY AND REACTIVITY

**Stability & Polymerization:** Product is stable. Hazardous polymerization will not occur.

**Incompatibility (Conditions to Avoid):** Do not store in metal or glass containers, with or near strong acids, reducing agents, organics, glass, concrete, leather, natural rubber, or metals. Fluorosilicic acid can react with many metals to liberate hydrogen gas which is highly flammable. May react with strong mineral acids to liberate hydrogen fluoride or hydrofluoric acid which are highly toxic and corrosive.

**Hazardous Decomposition Products:** Toxic and corrosive fluoride gases.

**Special Sensitivity:** None that are known.

## **11. TOXICOLOGICAL INFORMATION**

The acute lethal oral toxicity in rats for fluorosilicic acid is approximately 35 mg per kilogram of body weight. Based on the fluorosilicic acid content, this is equivalent to approximately 9 grams for the average human. Hydrofluoric acid burns form dilute solutions may not become evident for up to 12 hours after exposure. They are characterized by intense pain and burning at the site of contact. Appropriate medical treatment to neutralize the causative agent is the only way to alleviate the pain and burning. Chronic bony fluorosis is a very rare condition and is not expected to develop if exposures are maintained below mandated or recommended exposure limits.

## **12. ECOLOGICAL INFORMATION**

Fluorides can be highly toxic to aquatic and terrestrial flora and fauna. Care should be taken to prevent the product from entering the environment.

## **13. DISPOSAL CONSIDERATIONS**

Product is defined as a Corrosive Hazardous Waste (D002). It should be disposed of in accordance with all applicable local, state, and/or federal regulations. If used or waste product is disposed of, testing, including TCLP, should be conducted to determine hazard characteristics. Empty containers will contain product residues. Do not use for any purpose other than to store product.

## **14. TRANSPORTATION INFORMATION**

DOT Shipping Description:	Fluorosilicic Acid, 8, UN 1778, PGII
Label:	Corrosive
DOT ERG Number:	154
Restrictions:	Passenger Aircraft = 1L; Cargo Only Aircraft = 30 L

## **15. REGULATORY INFORMATION**

The hydrogen fluoride component of the product is reportable under Section 313 of the Superfund Amendments and Reauthorization Act of 1986.

OSHA Hazard Communication Categories: Irritant, Lung Hazard, Skin Hazard, Kidney Hazard

SARA Hazard Categories: Acute Hazard, Chronic Hazard

The Reportable Quantity (RQ) for releases of hydrogen fluoride to the environment is 100 pounds.

Hydrogen fluoride has been listed as a Special Health Hazard Substance by the State of New Jersey.

All components of the product are included in the Toxic Substances Control Act (TSCA) inventory.

## **16. OTHER INFORMATION**

Not Est. = Not Established; NA = Not Applicable; ND = Not Determined

Preparation /Revision Date: 07/02/2013

Reason for Revision: Review information and convert to ANSI Z400.1 format

## 16. OTHER INFORMATION - Continued

### IMPORTANT SAFETY NOTICE

The information contained in the Material Safety Data Sheet relates only to the specific material(s) described herein and does not relate to use in combination with any other material or substance or in any process. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. *Because the use of this information and these opinions and the conditions of use of this product are not within the control of Key Chemical, it is the user's obligation to determine the conditions of safe use of the product.*

**Users of this product should study this Material Safety Data Sheet and become aware of the product hazards and safety information before using the product. Users should also notify their employees, agents, and contractors regarding information contained in this Material Safety Data Sheet and any product hazards and safety information in order to provide safe use of this product.**