

DATE: 11/03/2021

Page: 6

BID NO.: 50-00136289

**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 X NO \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED 10 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 1 year (supply guaranteed)

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

5-7 Days ARO

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

n/a

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

FIRM NAME: Shannon Chemical Corporation

ADDRESS: P.O. Box 376

CITY, STATE: Malvern, PA

ZIP: 19355

TELEPHONE: (610) 363-9090

FAX: (610) 524-6050

EMAIL ADDRESS: dcflynn@shannonchem.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 by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

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

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

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

TOTAL PRICE OF ALL BID ITEMS: \$ 448,484.40

AUTHORIZED

SIGNATURE: DCN-

Daniel C. Flynn

Printed Name

TITLE: Vice President-Operations

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.: 50-00136289

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	120.00	TN	<p>Two (2) Year Contract for the Supply of Zinc Sodium Hexametaphosphate for the Jefferson Parish Department of Public Works - Water</p> <p>0010 - ZINC SODIUM HEXAMETAPHOSPHATE (DELIVERED FREIGHT PREPAID IN 20 TON SHIPMENTS TO BOTH EAST BANK AND WEST BANK WATER TREATMENT PLANTS AS REQUIRED, PER THE ATTACHED SPECIFICATION.)</p> <p>DELIVERY LOCATIONS:</p> <p>EAST BANK WATER PLANT 3600 JEFFERSON HIGHWAY JEFFERSON, LA 70121</p> <p>WEST BANK WATER PLANT 4500 WESTBANK EXPRESSWAY MARRERO, LA 70072</p>	\$3,737.37	\$448,484.40

**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
Shannon Chemical Corporation

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INCORPORATED.

AT THE MEETING OF DIRECTORS OF Shannon Chemical Corporation  
INCORPORATED, DULY NOTICED AND HELD ON October 21, 2021,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT Daniel C. Flynn, 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.

  
Karl Spivak  
**SECRETARY-TREASURER**

11/04/21

**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 PennsylvaniaPARISH/COUNTY OF ChesterBEFORE ME, the undersigned authority, personally came and appeared: Daniel C. Flynn

\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized V.P.-Operations of Shannon Chemical Corporation (Entity),  
the party who submitted a bid in response to Bid Number 50-00136289, 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 X 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 X \_\_\_\_\_ 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.

DCM-  
Signature of Affiant

Daniel C. Flynn  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 4th DAY OF November, 2021.

Kimberly D'Ambrosio  
Notary Public

Kimberly D'Ambrosio  
Printed Name of Notary

Notary Seal  
Commonwealth of Pennsylvania - Notary Seal  
KIMBERLY D'AMBROSIO - Notary Public  
My Commission Expires Apr 7, 2023  
Commission Number 1260997

My commission expires \_\_\_\_\_.

**STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES**

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the **Invitation to Bid**. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

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For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name **the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

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**JEFFERSON PARISH REQUIRED STANDARD INSURANCE****☒ 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.

**Note:** If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being



rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **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.

☒ **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.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

**DEDUCTIBLES** - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

**UMBRELLA LIABILITY COVERAGE**

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

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required if selected below. 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.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/24/2021

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).

<b>PRODUCER</b> <b>SASSA &amp; CONCANNON INSURANCE</b> PO Box 187 Norwood, PA 19074-0187	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>CONTACT NAME:</b> Ed Dever</td> </tr> <tr> <td><b>PHONE (A/C, No, Ext):</b> (610) 583-3523</td> <td><b>FAX (A/C, No):</b> (610) 583-3406</td> </tr> <tr> <td colspan="2"><b>E-MAIL ADDRESS:</b> eddever25@gmail.com</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 80%;">INSURER(S) AFFORDING COVERAGE</th> <th style="width: 20%;">NAIC#</th> </tr> <tr> <td>INSURER A: <b>Nautilus Insurance Company</b></td> <td>17370</td> </tr> <tr> <td>INSURER B: <b>Great Divide Insurance Company</b></td> <td>25224</td> </tr> <tr> <td>INSURER C: <b>Aspen Specialty Insurance Company</b></td> <td>10717</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	<b>CONTACT NAME:</b> Ed Dever		<b>PHONE (A/C, No, Ext):</b> (610) 583-3523	<b>FAX (A/C, No):</b> (610) 583-3406	<b>E-MAIL ADDRESS:</b> eddever25@gmail.com		INSURER(S) AFFORDING COVERAGE	NAIC#	INSURER A: <b>Nautilus Insurance Company</b>	17370	INSURER B: <b>Great Divide Insurance Company</b>	25224	INSURER C: <b>Aspen Specialty Insurance Company</b>	10717	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																					
INSURER E:																					
INSURER F:																					
<b>INSURED</b> <b>Shannon Chemical Corporation</b> PO Box 376 Malvern, PA 19355 610-363-9090																					

**COVERAGES**      **CERTIFICATE NUMBER:**      **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.

SR TR	TYPE OF INSURANCE		ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS			
A	<input checked="" type="checkbox"/>	COMMERCIAL GENERAL LIABILITY	Y	Y	GLP2018247-14	06/01/2021	06/01/2022	EACH OCCURRENCE	\$ 1,000,000		
	<input type="checkbox"/>	CLAIMS-MADE						<input checked="" type="checkbox"/>	OCCUR	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/>							MED EXP (Any one person)	\$ 10,000		
	<input type="checkbox"/>							PERSONAL & ADV INJURY	\$ 1,000,000		
	<input type="checkbox"/>							GENERAL AGGREGATE	\$ 3,000,000		
	GEN'L AGGREGATE LIMIT APPLIES PER:							PRODUCTS - COMP/OP AGG	\$ 3,000,000		
	<input type="checkbox"/>	POLICY	<input type="checkbox"/>	PRO-JECT	<input checked="" type="checkbox"/>	LOC			\$		
	OTHER:								\$		
B	AUTOMOBILE LIABILITY		Y	Y	BAP2018248-14	06/01/2021	06/01/2022	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000		
	<input checked="" type="checkbox"/>	ANYAUTO						<input type="checkbox"/>	SCHEDULED AUTOS	BODILY INJURY (Per person)	\$
	<input type="checkbox"/>	ALL OWNED AUTOS								BODILY INJURY (Per accident)	\$
	<input type="checkbox"/>	HIRED AUTOS								PROPERTY DAMAGE (Per accident)	\$
	<input type="checkbox"/>										\$
C	<input checked="" type="checkbox"/>	UMBRELLA LIAB	<input checked="" type="checkbox"/>	OCCUR	EXAGH9X20	06/01/2021	06/01/2022	EACH OCCURRENCE	\$ 9,000,000		
	<input type="checkbox"/>	EXCESS LIAB	<input type="checkbox"/>	CLAIMS-MADE				AGGREGATE	\$ 9,000,000		
	<input type="checkbox"/>	DED	<input type="checkbox"/>	RETENTION \$					\$		
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		Y/N	N/A	Y	WCA2026297-12	06/01/2021	06/01/2022	<input checked="" type="checkbox"/> PER STATUTE	<input type="checkbox"/> OTHER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH)									E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below									E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
										E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
A	Site Pollution Liability		Y	Y	SSP2018250-14	06/01/2021	06/01/2022	\$1,000,000 per occurence \$3,000,000 Aggregate			

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

Certificate Holder is to read as follows:

The Parish of Jefferson, it's Districts, Departments, and Agencies under the direction of the Parish President and the Parish Council; Department of Water, 1221 Elmwood Park Boulevard, Suite 909, Jefferson, LA 70123, is named as an additional insured where required by written contract.

<b>CERTIFICATE HOLDER</b>  The Parish of Jefferson, Etal Jefferson Parish Water Department 1221 Elmwood Park Blvd. Suite 909 Jefferson, LA 70123	<b>CANCELLATION</b>  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 
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## Request for Taxpayer Identification Number and Certification

► Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

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

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Shannon Chemical Corporation</b>	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► <b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ►	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) <b>Exempt</b> Exemption from FATCA reporting code (if any) (Applies to accounts maintained outside the U.S.)	
	5 Address (number, street, and apt. or suite no.) See instructions. <b>P.O. Box 376</b>	Requester's name and address (optional)
	6 City, state, and ZIP code <b>Malvern, PA 19355</b>	
	7 List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number								
			-				-	
or								
Employer identification number								
2	3		-	1	8	5	6	7 9 3

### Part II Certification

Under penalties of perjury, I certify that:

- 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
- 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
- I am a U.S. citizen or other U.S. person (defined below); and
- 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 for Part II, later.

Sign Here	Signature of U.S. person ► <b>DCM</b>	Date ► <b>11.4.21</b>
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## General Instructions

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

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)  
Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



**Shannon Chemical Corp.**  
P.O. Box 376 Midvern, PA 19355 • Phone: (610) 369-9090 • Fax: (610) 524-6060

**LETTER OF CERTIFICATION**

**SHAN-NO-CORR**

**Corrosion Inhibitor & Sequestering Agent**

**Water Treatment Compound**

**SHANNON CHEMICAL CORPORATION** certifies that SHAN-NO-CORR is a 1:10 ratio bimetallic zinc phosphate which is certified to ANSI/NSF Standard 60.

**SHAN-NO-CORR** has the following physical and chemical characteristics:

Color	White, Granular Powder
Odor	None
Chlorine Demand	None
Solubility	2.5#/gallon
pH 1% Solution	Less than 2.5
Zinc as Zn	6.7%
Phosphate as PO <sub>4</sub>	67%
Zinc: PO <sub>4</sub> Ratio	1:10

The raw materials used in the formulation of **SHAN-NO-CORR** meet or exceed the specifications for additives to potable drinking water as stated in the Water Chemicals Codex and the Water Chemicals Codex: Supplementary Recommendations For Direct Additives.

DCM-

Daniel C. Flynn  
Vice President-Operations  
**SHANNON CHEMICAL CORPORATION**



**Shannon Chemical Corp.**  
P.O. Box 376 Malvern, PA 19355 • Phone: (610) 363-9090 • Fax: (610) 524-6050

## Safety Data Sheet

### SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

#### 1.1 Product Identifier

Product Name	• <b>SHAN-NO-CORR (S-N-C)</b>
Synonyms	• Zinc Phosphate
CAS Number	• Proprietary Blend
SDS Number/Grade	• 0046

#### 1.2 Use of Substance/Mixture

Recommended use	• Water treatment; sequestration; corrosion inhibitor
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#### 1.3 Company Identification

Name	• Shannon Chemical Corporation
Address	• P.O. Box 376 Malvern, PA 19355

#### 1.4 Contact Information

Information #	• (610) 363-9090
Chem Tel #	• (800) 255-3924
Emergency #	• (484) 354-9773

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Hazards

##### Classification of the substance or mixture

###### Hazard Statements:

- H302 – Harmful if swallowed
- H318 – Causes serious eye damage
- H410 – Very toxic to aquatic life with long lasting effects

###### Precautionary Statements:

- P264 – Wash hands and forearms thoroughly after handling
- P280 – Wear eye protection, face protection, protective gloves, protective clothing
- P305+P351+P338 – If in eyes: Rinse cautiously with copious amounts of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 – Immediately call a POISON CENTER or doctor

## Hazard Symbols



## Signal Word

DANGER!

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Composition			
Chemical Name	Identifiers	%	LD50/LC50
Polyphosphoric acid, sodium salt	CAS: 68915-31-1	> 50	Oral-Rat LD50 • 3053 mg/kg
Sodium Hydrogen Sulfate	CAS: 7681-38-1	<50	Oral-Rat LD50 • 2800 mg/kg
Zinc Sulfate Mono	CAS: 7446-19-7	<50	No Data Available

## SECTION 4: FIRST AID MEASURES

### 4.1 Eye Exposure

- Immediately flush eyes with copious amounts of water, occasionally lifting both upper and lower eyelids. If irritation persists contact a physician.

### 4.2 Skin Exposure

- Rinse with water for 5 minutes. Remove and wash any clothing exposed to the solution before reuse. If irritation and swelling persist, seek medical attention.

### 4.3 Inhalation

- Remove from further exposure. Expose individual to fresh air. If not breathing, give proper artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.

### 4.4 Ingestion

- If victim is conscious and alert give 2-3 glasses of water or milk. **Do Not** induce vomiting. Do not give anything to drink to an unconscious person. Do not leave victim unattended. To prevent aspiration, lay victim on side with head lower than waist. Vomiting may occur simultaneously. Seek immediate medical attention.

### 4.5 Most Important Symptoms/Effects; Acute and Delayed

#### Potential Acute Health Effects

Eye Contact  
Inhalation  
Skin Contact  
Ingestion

- Causes serious eye damage
- Inhalation of dust may irritate nose, throat and/or lungs
- Prolonged exposure may cause skin irritation
- Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

**Over-exposure Signs/Symptoms**

- |              |  |
|--------------|--|
| Eye Contact  | • Adverse symptoms may include the following: pain, watering, redness  |
| Inhalation   | • No known significant effects or critical hazards.  |
| Skin Contact | • Adverse symptoms may include the following: pain or irritation, redness, blistering (if repeated exposure) |
| Ingestion    | • Adverse symptoms may include the following: stomach pains  |

**4.6 Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary**

- |                            |   |
|----------------------------|---|
| Notes to Physician         | • Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific Treatments        | • No specific treatment   |
| Protection of First-aiders | • No action shall be taken involving any personal risk without suitable training  |

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing Media**

- |                                |   |
|--------------------------------|---|
| Suitable Extinguishing Media   | • Not combustible. Use extinguishing media suitable for surrounding fire. |
| Unsuitable Extinguishing Media | • None known  |

**5.2 Special Hazards**

- |  |  |
|--|--|
| Unusual Fire and Explosion Hazards             | • No specific fire or explosion hazards.   |
| Special Fire Fighting Procedures               | • No special measures required.  |
| Special Protective Equipment for Fire Fighters | • Wear appropriate protection equipment and self-contained breathing apparatus (SCBA). |

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal Precautions, Protective Equipment & Emergency Procedures**

- |                      |  |
|----------------------|--|
| Personal Precaution  | • Do not touch or walk through spilled material. |
| Emergency Procedures | • Keep unauthorized personnel away.              |

**6.2 Methods and Material for Containment and Cleaning Up**

**Containment/Clean-up**

- Sweep or vacuum up and place in appropriate closed container. Avoid dispersal of dust in the air. **LARGE SPILLS:** Cover powder with plastic sheet or tarp to minimize spreading.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for Safe Handling****Handling**

- Avoid contact with skin, eyes, clothing and mucous membranes. Wear protective clothing. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Use in a well-ventilated area.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities****Storage**

- Store in a cool, dry location away from direct sunlight and source of heat. Store away from incompatible materials. (See Section 10)

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION****8.1 Control Parameters****Exposure Limits/Guidelines**

- No exposure limits were found for this product or any of its ingredients.

**Engineering Measures/Controls**

- Dilution ventilation. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

**8.2 Personal Protections****Respiratory Protection**

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Skin Protection**

- Where direct contact is likely, wear neoprene chemical resistant gloves and a protective apron or chemical suit if necessary.

**Eye Protection**

- Wear eye protection.

**Body Protection**

- A rubber apron or other impermeable body protection is suggested. Full body chemical protective clothing is recommended for emergency response procedures.

**Ventilation Protection**

- Not required

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**



## 9.1 General Information

Appearance	• White Powder/Granular
Odor	• None

## 9.2 Important Health Safety and Environmental Information

pH 1% Solution:	• Less than 2.5
Melting/Freezing Point:	• 177°C
Boiling Point/ Range:	• No Data
Flash Point:	• No Data
Evaporation Rate:	• No Data
Flammability (solid, gas):	• No Data
Flammability	• No Data
Explosive Limits:	• No Data
Vapor Pressure:	• No Data
Vapor Density:	• No Data
Relative Density:	• No Data
Solubility (ies):	• 1.5 – 2.5#/gallon
Partition Coefficient:	• No Data
Auto-ignition Temperature:	• No Data
Decomposition Temperature:	• No Data
Viscosity:	• No Data
Product Density:	• 68 – 75#/ft <sup>3</sup>

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Chemical Stability

- Stable under normal ambient conditions of temperature and pressure.

### 10.2 Conditions to Avoid

- Dusting conditions, extreme humidity

### 10.3 Incompatible Materials

- Strong oxidizing agents

### 10.4 Hazardous Decomposition Products

- Toxic fumes of PO<sub>x</sub> may be emitted if decomposition temperature is reached. Oxides of sodium; oxides of phosphate.

### 10.5 Hazardous Polymerization

- Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Acute Toxicity Estimates

	CAS #	Route	Species	LD50	Target Organs
<b>Polyphosphoric Acid, sodium salt</b>	68915-31-1	Ingestion/Oral	Rat	3053 mg/kg	No Data
<b>Sodium Hydrogen Sulfate</b>	7681-38-1	Ingestion/Oral	Rat	2800 mg/kg	No Data
<b>Zinc Sulfate Mono</b>	7446-19-7	Ingestion/Oral	Rat	No Data	No Data

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin Corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin Sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory Sensitization	OSHA HCS 2012 • Classification criteria not met
Serious Eye Damage/Irritation	OSHA HCS 2012 • Classification criteria not met

### 11.2 Potential Health Effects

#### Inhalation

- |                   |  |
|-------------------|--|
| Acute (Immediate) | • Exposure to dust may cause irritation. |
| Chronic (Delayed) | • No data available.                     |

#### Skin

- |                   |  |
|-------------------|--|
| Acute (Immediate) | • May cause mild irritation. Exposure to dust may cause mechanical irritation. |
| Chronic (Delayed) | • No data available.   |

#### Eye

- |                   |  |
|-------------------|--|
| Acute (Immediate) | • May cause mild irritation. Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes. |
| Chronic (Delayed) | • No data available.   |

#### Ingestion

- |                   |  |
|-------------------|--|
| Acute (Immediate) | • Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort. |
| Chronic (Delayed) | • No data available.   |

**Carcinogenic Effects**

- This product does not contain any ingredient designed by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

**SECTION 12: ECOLOGICAL INFORMATION**

Biodegradability	• No Data Found
Ecotoxicity	• No Data Found
Biological Oxygen Demand (BOD5)	• No Data Found
Chemical Oxygen Demand	• No Data Found
Additional Ecological Information	• The phosphate component of this product may act as a plant nutrient causing eutrofication.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Product Waste**

- In case of spill, contain material and call local authorities for emergency assistance. Collect in appropriate containers. Dispose of all waste in accordance with appropriate Federal, State and local regulations.

**13.2 Container Disposal**

- State and local requirements for container disposal often differ with Federal laws. Consult local authorities regarding proper disposal of drums and containers.

**SECTION 14: TRANSPORT INFORMATION**

Proper Shipping Name	• Not Applicable
DOT Hazard Class	• Not Applicable
U.N. Number	• Not Applicable
Reportable Quantity (RQ)	• 5,000#
Packaging Group	• Not Applicable

**SECTION 15: REGULATORY INFORMATION****U.S. Federal Regulations**

Chemical Inventory Status – Part 1:

Ingredient	CAS #	TSCA	EC
Zinc Sulfate	7446-19-7	Yes	Yes
Sodium Hydrogen Sulfate	7681-38-1	Yes	Yes

Ingredient	CAS #	SARA 302		SARA 313	
		RQ	TPQ	List	Chemical Catg.
Zinc Sulfate	7446-19-7	No	No	Yes	Yes (Zinc compounds)
Sodium Hydrogen Sulfate	7681-38-1	No	No	No	No

Ingredient	CAS #	CERCLA	RCRA	TSCA 8(d)
Zinc Sulfate	7446-19-7	Yes (RQ = 1000 lbs)	No	No
Sodium Hydrogen Sulfate	7681-38-1	No	No	No

Ingredient	CAS #	CWC	TSCA 12 (b)	SARA 311/312
Zinc Sulfate	7446-19-7	No	No	10,000 lbs
Sodium Hydrogen Sulfate	7681-38-1	No	No	10,000 lbs

Ingredient	CAS #	Acute	Chronic	Fire	Pressure	Reactivity	Mixture/Solid
Zinc Sulfate	7446-19-7	Yes	Yes	No	No	No	Mixture
Sodium Hydrogen Sulfate	7681-38-1	Yes	Yes	No	No	No	Mixture

CAS# 7733-02-0 is found on the following state right to know lists: California, New Jersey, Pennsylvania, and Massachusetts.

CAS# 7681-38-1 is found only on the following NJ right to know list.

**SECTION 16: OTHER INFORMATION**

Preparation Date: 01/01/2014

Last Revision Date: 01/01/2021

**Disclaimer/Statement of Liability**

- The information herein is given in good faith but no warranty, expressed or implied, is made.



## OFFICIAL LISTING

NSF certifies that the products appearing on this Listing conform to the requirements of  
NSF/ANSI/CAN 60 - Drinking Water Treatment Chemicals - Health Effects

This is the Official Listing recorded on December 29, 2020.

Shannon Chemical Corp.  
P.O. Box 376  
Malvern, PA 19355  
610-363-9090

Facility: Exton, PA

Chemical/  
Trade Designation

Function

Max Use

Blended Corrosion Inhibitor

SHAN-NO-CORR Lead Free [ZN]

Corrosion & Scale Control

15

mg/L

SNC-4442

Corrosion & Scale Control

13

mg/L

Sequestering

SNC-Lead Free [ZN]

Corrosion & Scale Control

15

mg/L

SNC-N2

Corrosion & Scale Control

10

mg/L

SNC-NO LEAD [ZN]

Corrosion & Scale Control

15

mg/L

Blended Phosphates

SLI-1226

Corrosion & Scale Control

27

mg/L

SLI-5215

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5225

Corrosion & Scale Control

26

mg/L

Sequestering

SLI-5230

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5240

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5250

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5260

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5270

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5275

Corrosion & Scale Control

30

mg/L

Sequestering

SLI-5285

Corrosion & Scale Control

28

mg/L

Sequestering

SLI-5370

Corrosion & Scale Control

28

mg/L

Sequestering

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF.

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SLI-5385	Corrosion & Scale Control	28	mq/L
	Sequestering		
SLI-7150	Corrosion & Scale Control	30	mq/L
SLI-7275	Corrosion & Scale Control	30	mq/L
	Sequestering		
SLI-7425	Corrosion & Scale Control	28	mq/L
	Sequestering		
SLI-7450	Corrosion & Scale Control	28	mq/L
	Sequestering		
SLI-7575	Corrosion & Scale Control	36	mq/L
	Sequestering		
SLI-B	Corrosion & Scale Control	27	mq/L
SLI-DP	Corrosion & Scale Control	30	mq/L
SLI-HP	Corrosion & Scale Control	30	mq/L
	Sequestering		
SLI-K200	Corrosion & Scale Control	36	mq/L
	Sequestering		
SNC-1226	Corrosion & Scale Control	14	mq/L
SNC-5210	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5220	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5225	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5230	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5240	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5250	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5270	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5275	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5295	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5420	Corrosion & Scale Control	10	mq/L
SNC-5520	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-7220	Corrosion & Scale Control	12	mq/L
	Sequestering		
SNC-7435	Corrosion & Scale Control	10	mq/L
SNC-HW	Corrosion & Scale Control	10	mq/L
SNC-RS2	Corrosion & Scale Control	10	mq/L
SNC-TYPE B	Corrosion & Scale Control	10	mq/L

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Citric Acid [2] [3]

SE-CA-50

Membrane Cleaner  
Well Cleaning Aid

N/A

Hydrofluosilicic Acid

SE-1900 L-25

Fluoridation

5      mg/L

Miscellaneous Corrosion Chemicals

SHAN-NO-CORR [ZN]

Corrosion & Scale Control

10      mg/L

SHAN-NO-CORR Plus, SNC + [ZN]

Corrosion & Scale Control

10      mg/L

SHAN-NO-CORR TYPE L [ZN]

Corrosion & Scale Control

20      mg/L

SHAN-NO-CORR TYPE N [ZN]

Corrosion & Scale Control

10      mg/L

SHAN-NO-CORR-ZOP [ZN]

Corrosion & Scale Control

10      mg/L

SLI-333 [ZN]

Corrosion Control

25      mg/L

SLI-444 S

Corrosion & Scale Control

25      mg/L

SNC-444

Corrosion & Scale Control

10      mg/L

SNC-444 S

Corrosion & Scale Control

18.6      mg/L

SNC-ZOP 123 [ZN]

Corrosion & Scale Control

11      mg/L

SNC-ZOP 321 [ZN]

Corrosion & Scale Control

11      mg/L

Miscellaneous Treatment Chemical

RSC-100X [1]

Ion Exchange Supplement

750      mg/L

Monosodium Orthophosphate

SLI-5179

Corrosion Control

25      mg/L

SLI-SE 100

Corrosion Control

25      mg/L

SNC-5179

Corrosion & Scale Control

12.6      mg/L

Sequestering

SNC-MSP

Corrosion & Scale Control

12.6      mg/L

Sequestering

Phosphoric Acid

SLI-PHOS 36

Corrosion & Scale Control

25      mg/L

SLI-PHOS 50

Corrosion & Scale Control

20.5      mg/L

SLI-PHOS 75

Corrosion & Scale Control

12      mg/L

Potassium Permanganate [PO]

SE-3955 C

Disinfection & Oxidation  
Oxidant

50      mg/L

SE-3955 F

Disinfection & Oxidation  
Oxidant

50      mg/L

SE-3955 N

Disinfection & Oxidation  
Oxidant

50      mg/L

Sodium Acid Pyrophosphate

SNC-318

Corrosion & Scale Control

12      mg/L

SNC-5185

Corrosion & Scale Control

12      mg/L

Sodium Permanganate [PO]

SE-2355-10

Disinfection & Oxidation  
Oxidant

352      mg/L

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SE-2355-15	Disinfection & Oxidation Oxidant	234	mq/L
SE-2355-20	Disinfection & Oxidation Oxidant	176	mq/L
SE-2355-25	Disinfection & Oxidation Oxidant	140	mq/L
SE-2355-40	Disinfection & Oxidation Oxidant	88	mq/L
<b>Sodium Polyphosphates, Glassy</b>			
SHAN-O-PHOS	Corrosion & Scale Control Sequestering	10.7	mq/L
SLI-5125	Corrosion & Scale Control Sequestering	42.8	mq/L
SLI-5130	Corrosion & Scale Control Sequestering	35.6	mq/L
SLI-5135	Corrosion & Scale Control Sequestering	30.5	mq/L
SLI-5140	Corrosion & Scale Control Sequestering	26.7	mq/L
SLI-Quest 25	Corrosion & Scale Control Sequestering	42.8	mq/L
SLI-Quest 30	Corrosion & Scale Control Sequestering	35.6	mq/L
SLI-Quest 35	Corrosion & Scale Control Sequestering	30.5	mq/L
SLI-Quest 40	Corrosion & Scale Control Sequestering	26.7	mq/L
SNC-5190	Corrosion & Scale Control Sequestering	10.7	mq/L
<b>Sodium Tripolyphosphate</b>			
SHAN-O-POLY	Corrosion & Scale Control Sequestering	12	mq/L
SNC-5177	Corrosion & Scale Control Sequestering	12	mq/L
<b>Tetrapotassium Pyrophosphate</b>			
SLI-6120	Corrosion & Scale Control Sequestering	30	mq/L
SLI-6134	Corrosion & Scale Control Sequestering	22.5	mq/L
SLI-K100	Corrosion & Scale Control Sequestering	30	mq/L
SLI-KPHOS	Corrosion & Scale Control Sequestering	22.5	mq/L
SNC-6157	Corrosion & Scale Control Sequestering	14	mq/L

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SNC-KPHOS

Corrosion & Scale Control  
Sequestering

14      mg/L

Zinc Chloride [ZN]

SLI-2125

Corrosion & Scale Control

15      mg/L

SLI-2150

Corrosion & Scale Control

8      mg/L

SLI-2162

Corrosion & Scale Control

6      mg/L

Zinc Orthophosphate [ZN]

SLI 3535

Corrosion & Scale Control

24      mg/L

SLI 4217

Corrosion & Scale Control

28      mg/L

SLI 5050

Corrosion & Scale Control

17      mg/L

SLI-1010

Corrosion & Scale Control

20      mg/L

SLI-1021

Corrosion & Scale Control

22      mg/L

SLI-1521-C

Corrosion & Scale Control

22      mg/L

SLI-2020

Corrosion & Scale Control

10      mg/L

SLI-321

Corrosion & Scale Control

10      mg/L

SLI-321L

Corrosion & Scale Control

10      mg/L

SLI-5024

Corrosion & Scale Control

16      mg/L

SLI-5210

Corrosion & Scale Control

20      mg/L

SLI-5215

Corrosion & Scale Control

40      mg/L

SLI-5216

Corrosion & Scale Control

29      mg/L

SLI-5217

Corrosion & Scale Control

28      mg/L

SLI-5218

Corrosion & Scale Control

25      mg/L

SLI-5219

Corrosion & Scale Control

22      mg/L

SLI-7215

Corrosion & Scale Control

28      mg/L

SLI-932

Corrosion & Scale Control

26      mg/L

SLI-939

Corrosion & Scale Control

25      mg/L

- [1] This product is designed to be used in conjunction with ion exchange resins for the purpose of reducing radium from drinking water.
- [2] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
- [3] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.
- [PO] The finished drinking water shall be monitored to ensure that levels of manganese do not exceed 0.05 mg/L.
- [ZN] Based on an evaluation of health effects data, the level of zinc in the finished drinking water shall not exceed 2.0 mg/L.

Facility: Dallas, TX

Chemical/

Trade Designation

Function

Max Use

Blended Corrosion Inhibitor

SHAN-NO-CORR Lead Free [ZN]

Corrosion & Scale Control

15      mg/L

SNC-4442

Corrosion & Scale Control

13      mg/L

Sequestering

SNC-Lead Free [ZN]

Corrosion & Scale Control

15      mg/L

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789 N. Dixboro Road, Ann Arbor, Michigan 48105-9723 USA

1-800-NSF-MARK / 734-769-8010

www.nsf.org



SNC-N2	Corrosion & Scale Control	10	mg/L
SNC-NO LEAD [ZN]	Corrosion & Scale Control	15	mg/L
Blended Phosphates			
SLI-1226	Corrosion & Scale Control	27	mg/L
SLI-5215	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5225	Corrosion & Scale Control	26	mg/L
	Sequestering		
SLI-5230	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5240	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5250	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5260	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5270	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5275	Corrosion & Scale Control	30	mg/L
	Sequestering		
SLI-5285	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5370	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-5385	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-7150	Corrosion & Scale Control	30	mg/L
SLI-7275	Corrosion & Scale Control	30	mg/L
	Sequestering		
SLI-7425	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-7450	Corrosion & Scale Control	28	mg/L
	Sequestering		
SLI-7575	Corrosion & Scale Control	36	mg/L
	Sequestering		
SLI-B	Corrosion & Scale Control	27	mg/L
SLI-DP	Corrosion & Scale Control	30	mg/L
SLI-HP	Corrosion & Scale Control	30	mg/L
	Sequestering		
SLI-K200	Corrosion & Scale Control	36	mg/L
	Sequestering		
SNC-1226	Corrosion & Scale Control	14	mg/L
SNC-5210	Corrosion & Scale Control	10	mg/L
	Sequestering		

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF.



SNC-5220	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5225	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5230	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5240	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5250	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5270	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5275	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5295	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-5420	Corrosion & Scale Control	10	mq/L
SNC-5520	Corrosion & Scale Control	10	mq/L
	Sequestering		
SNC-7220	Corrosion & Scale Control	12	mq/L
	Sequestering		
SNC-7435	Corrosion & Scale Control	10	mq/L
SNC-HW	Corrosion & Scale Control	10	mq/L
SNC-RS2	Corrosion & Scale Control	10	mq/L
SNC-TYPE B	Corrosion & Scale Control	10	mq/L
Citric Acid [2] [3]			
SE-CA-50	Membrane Cleaner	N/A	
	Well Cleaning Aid		
Hydrofluosilicic Acid			
SE-1900 L-25	Fluoridation	5	mq/L
Miscellaneous Corrosion Chemicals			
SHAN-NO-CORR [ZN]	Corrosion & Scale Control	10	mq/L
SHAN-NO-CORR Plus, SNC + [ZN]	Corrosion & Scale Control	10	mq/L
SHAN-NO-CORR TYPE L [ZN]	Corrosion & Scale Control	20	mq/L
SHAN-NO-CORR TYPE N [ZN]	Corrosion & Scale Control	10	mq/L
SHAN-NO-CORR-ZOP [ZN]	Corrosion & Scale Control	10	mq/L
SLI-333 [ZN]	Corrosion Control	25	mq/L
SLI-444 S	Corrosion & Scale Control	25	mq/L
SNC-444	Corrosion & Scale Control	10	mq/L
SNC-444 S	Corrosion & Scale Control	18.6	mq/L
SNC-ZOP 123 [ZN]	Corrosion & Scale Control	11	mq/L
SNC-ZOP 321 [ZN]	Corrosion & Scale Control	11	mq/L
Miscellaneous Treatment Chemical			
RSC-100X [1]	Ion Exchange Supplement	750	mq/L

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#### Monosodium Orthophosphate

SLI-5179	Corrosion Control	25	mq/L
SLI-SE 100	Corrosion Control	25	mq/L
SNC-5179	Corrosion & Scale Control	12.6	mq/L
	Sequestering		
SNC-MSP	Corrosion & Scale Control	12.6	mq/L
	Sequestering		

#### Phosphoric Acid

SLI-PHOS 36	Corrosion & Scale Control	25	mq/L
SLI-PHOS 50	Corrosion & Scale Control	20.5	mq/L
SLI-PHOS 75	Corrosion & Scale Control	12	mq/L

#### Potassium Permanganate [PO]

SE-3955 C	Disinfection & Oxidation Oxidant	50	mq/L
SE-3955 F	Disinfection & Oxidation Oxidant	50	mq/L
SE-3955 N	Disinfection & Oxidation Oxidant	50	mq/L

#### Sodium Acid Pyrophosphate

SNC-318	Corrosion & Scale Control	12	mq/L
SNC-5185	Corrosion & Scale Control	12	mq/L

#### Sodium Permanganate [PO]

SE-2355-10	Disinfection & Oxidation Oxidant	352	mq/L
SE-2355-15	Disinfection & Oxidation Oxidant	234	mq/L
SE-2355-20	Disinfection & Oxidation Oxidant	176	mq/L
SE-2355-25	Disinfection & Oxidation Oxidant	140	mq/L
SE-2355-40	Disinfection & Oxidation Oxidant	88	mq/L

#### Sodium Polyphosphates, Glassy

SHAN-O-PHOS	Corrosion & Scale Control	10.7	mq/L
	Sequestering		
SLI-5125	Corrosion & Scale Control	42.8	mq/L
	Sequestering		
SLI-5130	Corrosion & Scale Control	35.6	mq/L
	Sequestering		
SLI-5135	Corrosion & Scale Control	30.5	mq/L
	Sequestering		
SLI-5140	Corrosion & Scale Control	26.7	mq/L
	Sequestering		

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SLI-Quest 25	Corrosion & Scale Control	42.8	mq/L
	Sequestering		
SLI-Quest 30	Corrosion & Scale Control	35.6	mq/L
	Sequestering		
SLI-Quest 35	Corrosion & Scale Control	30.5	mq/L
	Sequestering		
SLI-Quest 40	Corrosion & Scale Control	26.7	mq/L
	Sequestering		
SNC-5190	Corrosion & Scale Control	10.7	mq/L
	Sequestering		
Sodium Tripolyphosphate			
SHAN-O-POLY	Corrosion & Scale Control	12	mq/L
	Sequestering		
SNC-5177	Corrosion & Scale Control	12	mq/L
	Sequestering		
Tetrapotassium Pyrophosphate			
SLI-6120	Corrosion & Scale Control	30	mq/L
	Sequestering		
SLI-6134	Corrosion & Scale Control	22.5	mq/L
	Sequestering		
SLI-K100	Corrosion & Scale Control	30	mq/L
	Sequestering		
SLI-KPHOS	Corrosion & Scale Control	22.5	mq/L
	Sequestering		
SNC-6157	Corrosion & Scale Control	14	mq/L
	Sequestering		
SNC-KPHOS	Corrosion & Scale Control	14	mq/L
	Sequestering		
Zinc Chloride [ZN]			
SLI-2125	Corrosion & Scale Control	15	mq/L
SLI-2150	Corrosion & Scale Control	8	mq/L
SLI-2162	Corrosion & Scale Control	6	mq/L
Zinc Orthophosphate [ZN]			
SLI 3535	Corrosion & Scale Control	24	mq/L
SLI 4217	Corrosion & Scale Control	28	mq/L
SLI 5050	Corrosion & Scale Control	17	mq/L
SLI-1010	Corrosion & Scale Control	20	mq/L
SLI-1021	Corrosion & Scale Control	22	mq/L
SLI-1521-C	Corrosion & Scale Control	22	mq/L
SLI-2020	Corrosion & Scale Control	10	mq/L
SLI-321	Corrosion & Scale Control	10	mq/L
SLI-321L	Corrosion & Scale Control	10	mq/L
SLI-5024	Corrosion & Scale Control	16	mq/L
SLI-5210	Corrosion & Scale Control	20	mq/L

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SLI-5215	Corrosion & Scale Control	40	mq/L
SLI-5216	Corrosion & Scale Control	29	mq/L
SLI-5217	Corrosion & Scale Control	28	mq/L
SLI-5218	Corrosion & Scale Control	25	mq/L
SLI-5219	Corrosion & Scale Control	22	mq/L
SLI-7215	Corrosion & Scale Control	28	mq/L
SLI-932	Corrosion & Scale Control	26	mq/L
SLI-939	Corrosion & Scale Control	25	mq/L

- [1] This product is designed to be used in conjunction with ion exchange resins for the purpose of reducing radium from drinking water.
- [2] This product is designed to be used off-line and flushed out prior to using the system for drinking water, following manufacturer's use instructions.
- [3] The pH of the influent and effluent water should be monitored to ensure that all traces of the product have been removed before placing into service.
- [PO] The finished drinking water shall be monitored to ensure that levels of manganese do not exceed 0.05 mg/L.
- [ZN] Based on an evaluation of health effects data, the level of zinc in the finished drinking water shall not exceed 2.0 mg/L.

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