Lee County, Florida
Proposal Quote Form
For Corrosion/Scale Inhibitor
For Utilities Water Plants

Date Submitted: 6/25/12

Vendor Name: American Water Chemicals, Inc.

To: The Board of County Commissioners
Lee County
Fort Myers, Florida

Having carefully examined the "General Conditions", and the "Detailed Specifications", all of which are contained herein, the Undersigned proposes to furnish the following which meet these specifications:

The undersigned acknowledges receipt of Addenda numbers:

NOTE: In order for your bid to be valid all quoted product information should be provided.

Lee County Utilities is looking to have between a .8ppm and 1.0ppm PO4 residual in the water leaving each treatment plant.

If the quoted product waives more or less than 15% of the PO4 content from the Nalco product please explain why you feel your product is an equal to the Nalco product. Also if any other required data waives more or less that 15% please explain why.

See the spreadsheet below which needs to be filled out with all the data on the product being quoted and returned with the quote. If all the required information isn't filled out the quote may not be accepted. On the spreadsheet use the same units of measure that Nalco is using so the products can be compared.
**FORMAL QUOTE NO.: Q-120334**

**CORROSION/SCALE INHIBITOR FOR UTILITIES WATER PLANTS**

**Quote Q-120334**

<table>
<thead>
<tr>
<th>Required data</th>
<th>Nalco CL - 50</th>
<th>Quoted product information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Density</td>
<td>11.4 - 11.8 lbs/gal</td>
<td>11.5 - 11.9</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.37 - 1.42</td>
<td>1.40 ± 0.03</td>
</tr>
<tr>
<td>pH/neat</td>
<td>6.0 - 7.0</td>
<td>4.0 - 7.0</td>
</tr>
<tr>
<td>% PO4</td>
<td>32.50%</td>
<td>32.50%</td>
</tr>
<tr>
<td>NSF documentation</td>
<td>Yes/No</td>
<td>YES</td>
</tr>
<tr>
<td>Packaging</td>
<td>aprox 250 gal totes</td>
<td>275 gal totes</td>
</tr>
<tr>
<td>Solubility</td>
<td>complete</td>
<td>complete</td>
</tr>
<tr>
<td>Tote return, no charge</td>
<td>Yes/No</td>
<td>YES</td>
</tr>
<tr>
<td>Tote return policy</td>
<td>Yes/No</td>
<td>YES</td>
</tr>
<tr>
<td>Recommended dosage rate</td>
<td>3 ppm</td>
<td></td>
</tr>
</tbody>
</table>

$0.399 Price/ea Times 126,000 LBS = $50,274.00

<table>
<thead>
<tr>
<th>Required data</th>
<th>Nalco 7395</th>
<th>Quoted product information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>powder</td>
<td>powder</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>SG</td>
<td>2.5</td>
<td>1.25</td>
</tr>
<tr>
<td>Density</td>
<td>155.8 lbs/ft3</td>
<td>80 lb/ft3</td>
</tr>
<tr>
<td>pH 1% sol</td>
<td>10.1</td>
<td>6.5-7.1</td>
</tr>
<tr>
<td>Solubility</td>
<td>complete</td>
<td>complete</td>
</tr>
<tr>
<td>% PO4</td>
<td>72%</td>
<td>91%</td>
</tr>
<tr>
<td>NSF documentation</td>
<td>Yes/No</td>
<td>Yes</td>
</tr>
<tr>
<td>Packaging</td>
<td>50 lb bags</td>
<td>50 lb bags</td>
</tr>
<tr>
<td>Recommended dosage rate</td>
<td>1 ppm</td>
<td></td>
</tr>
</tbody>
</table>

$1.099 Price/ea Times 70,000 LBS = $76,930.00
FORMAL QUOTE NO.: Q-120334

THE PRODUCTS ARE TO BE DELIVERED WITHIN 3 - 7 CALENDAR DAYS AFTER RECEIPT OF AWARD AND PURCHASE ORDER.

Is your firm interested in being considered for the Local Vendor Preference?
Yes _________ No _________ X_________

If yes, then read the paragraph entitled “Local Vendor Preference” included in these specifications. Also complete the Local Vendor Preference Questionnaire and return with your quotation.

Quoters should carefully read all the terms and conditions of the specifications. Any representation of deviation or modification to the quote may be grounds to reject the quote.

Are there any modifications to the quote or specifications?
Yes _________ No _________ X_________

Failure to clearly identify any modifications in the space below or on a separate page may be grounds for the quoter being declared non-responsive or to have the award of the quote rescinded by the County.

MODIFICATIONS:

Quoter shall submit his/her quote on the County’s Proposal Quote Form, including the firm name and authorized signature. Any blank spaces on the Proposal Quote Form, qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County’s Form may result in the Quoter/Quote being declared non-responsive by the County.
ANTI-COLLUSION STATEMENT

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTERS AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIAL (AS APPLICABLE) AND THE REMOVAL FROM THE MASTER BIDDERS LIST.

FIRM NAME
American Water Chemicals, Inc.

BY (Printed):
Rudy Canezo

BY (Signature):

TITLE: Treasurer

FEDERAL ID # OR S.S.# 95-4412808

ADDRESS:
1802 Corporate Center Lane
Plant City, FL 33563

PHONE NO.: 813-246-5448

FAX NO.: 813-623-6678

CELLULAR PHONE/PAGER NO.: 

DUNS #: 00-268-2649

LEE COUNTY LOCAL BUSINESS TAX ACCOUNT NUMBER: 

E-MAIL ADDRESS: inquiries@amh2ochem.com

DISADVANTAGED BUSINESS ENTERPRISE (DBE):
LEE COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) (SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

LEE COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY LEE COUNTY.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: American Water Chemicals, Inc.

Signature  Title  Date

STATE OF Florida
COUNTY OF Hillsborough

The foregoing instrument was signed and acknowledged before me this ___ day of ___ , 2012, by who has produced __________________________ as identification.

(Print or Type Name)

Notary Public Signature

Printed Name of Notary Public

Notary Commission Number/Expiration

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.
Instructions: Please complete either Part A or B whichever is applicable to your firm.

PART A: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS LOCATED WITHIN LEE/COLLIER COUNTY (Only complete Part A if your principal place of business is located within the boundaries of Lee/Collier County)

1. What is the physical location of your principal place of business that is located within the boundaries of Lee/Collier County, Florida?  

   N/A

2. What is the size of this facility (i.e. sales area size, warehouse, storage yard, etc.)

PART B: VENDOR'S PRINCIPAL PLACE OF BUSINESS IS NOT LOCATED WITHIN LEE/COLLIER COUNTY OR DOES NOT HAVE A PHYSICAL LOCATION WITHIN LEE/COLLIER COUNTY (Please complete this section.)

1. How many employees are available to service this contract? 15

2. Describe the types, amount and location of equipment you have available to service this contract.
LOCAL VENDOR PREFERENCE QUESTIONNAIRE CONTINUED

3. Describe the types, amount and location of material stock that you have available to service this contract.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

4. Have you provided goods or services to Lee County on a regular basis for the preceding, consecutive three years?

Yes ________  No ________  

If yes, please provide your contractual history with Lee County for the past three, consecutive years. Attach additional pages if necessary.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

_________________________________________________________________________

FORMAL QUOTE NO.: Q-120334

LEE COUNTY PROCUREMENT MANAGEMENT - BIDDERS CHECK LIST

IMPORTANT: Please read carefully and return with your bid proposal. Please check off each of the following items as the necessary action is completed:

1. The Quote has been signed.   
2. The Quote prices offered have been reviewed.  
3. The price extensions and totals have been checked.  
4. The original (must be manually signed) and 1 additional copy of the quote has been submitted.  
5. Two (2) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.  
6. All modifications have been acknowledged in the space provided.  
7. All addendums issued, if any, have been acknowledged in the space provided.  
8. Erasures or other changes made to the quote document have been initialed by the person signing the quote.  
9. Bid Bond and/or certified Check, (if required) have been submitted with the quote in amounts indicated.  
10. Any Delivery information required is included.  
11. Affidavit Certification Immigration Signed and Notarized  
12. The mailing envelope has been addressed to:
   MAILING ADDRESS
   Lee County Procurement Mgmt.
   P. O. Box 398  
   or
   Ft. Myers, FL 33902-0398
   PHYSICAL ADDRESS
   Lee County Procurement Mgmt.
   1825 Hendry St 3rd Floor
   Ft. Myers, FL 33901
13. The mailing envelope MUST be sealed and marked with:
   Quote Number
   Opening Date and/or Receiving Date
14. The quote will be mailed or delivered in time to be received no later than the specified opening date and time... (Otherwise quote cannot be considered or accepted.)  
15. If submitting a “NO BID” please write quote number here _________
   and check one of the following:
   _____ Do not offer this product ______ Insufficient time to respond.
   _____ Unable to meet specifications (why)
   _____ Unable to meet bond or insurance requirement.
   Other:

Company Name and Address:
American Water Chemicals, Inc.
1802 Corporate Center Lane
Plant City, FL 33563

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PRODUCT LITERATURE AND DOCUMENTATION

Proposal For
Lee County Board of County Commissioners
Division of Procurement Management
Formal Quote No. Q-120334

By

American Water Chemicals, Inc.
1802 Corporate Center Lane
Plant City, FL 33563
Contact: Ana Maria Padgett
Tel: 813-246-5448

Bid Opening Date: June 26, 2012
Opening Time: 2:30 p.m.
Table of Contents

Section 1.......................... AWC A-700 - Liquid
                                      Product Data Sheet
                                      MSDS
                                      NSF Listing

Section 2.......................... AWC A-792 - Powder
                                      Product Data Sheet
                                      MSDS
                                      NSF Listing

Section 3.......................... Certificate of Compliance
                                      Warranty
                                      Business References

Section 4.......................... ISO Certification
                                      Sample Certificate of Insurance
                                      FL Certificate of Good Standing
                                      Business Tax Receipt
AWC A-700 Water Distribution System Corrosion Inhibitor

**Advantages**

- AWC A-700 is a corrosion inhibitor for the treatment of potable water systems. When added to the supply water, AWC A-700 inhibits corrosion by forming a stable, evenly distributed protective film on the inside of distribution piping and metal surfaces.
- AWC A-700 inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing.
- AWC A-700 decreases the potential for THM formation when dosed with chlorine and protects against the release of asbestos or cement from water mains. It also substantially reduces leaching of lead from piping and lessens the occurrence of microbial-induced corrosion, providing longer system life.
- AWC A-700 saves money by reducing corrosion, lowering chlorine demand and decreasing hydrant flushing, leaks and failures.
- AWC A-700 has been approved by the National Sanitation Foundation (NSF) for the production of potable water in membrane separation processes.

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.35 ± 0.05</td>
</tr>
<tr>
<td>pH (undiluted)</td>
<td>4 - 7</td>
</tr>
</tbody>
</table>

**Chemical Feeding and Control**

AWC A-700 is normally fed continuously to the system being treated by means of a chemical metering pump. In most applications, product is fed as a concentrate, without the necessity of dilution. AWC A-700 dosing rate is based on water quality. The overall product applications and the specific chemical feed and control methods employed must be specified by the technical representative servicing the facility.

**Safety and Handling**

AWC A-700 in concentrated form may be toxic by ingestion. Do not take internally. If ingested, drink at least two (2) glasses of water and get immediate medical attention. Contact with eyes causes irritation. If eyes are contracted, immediately flush with clean water for 15 minutes and if irritation persists, get medical attention. In case of skin contact, wash with soap and water. For additional information, see the Material Safety Data Sheet provided with this product.

**Packaging**

AWC A-700 is packaged in 275-Gal Totes, 55-Gal Drums and 5-Gal Pails. Other packaging is available by special order.
Section I – Company and Product Identification

AMERICAN WATER CHEMICALS
1802 CORPORATE CENTER LANE
PLANT CITY, FL 33563

Date Prepared: June 7, 2009
Date Revised: November 23, 2011

Trade Name: AWC A-700
Product Family: Corrosion Inhibitor, Polyphosphate

Section II – Hazards Identification

Route(s) of Entry: Inhalation? Skin? Ingestion?
Inhalation? Yes No Yes

Health Hazards (Effects of Acute and Chronic Overexposure)

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Eye Contact: May cause irritation, redness and pain.

Skin Contact: May cause irritation. May cause inflammation and pain on prolonged contact, especially with moist skin.

Ingestion (swallowing): Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is due to their ability to sequester calcium.

Carcinogenicity: Not listed.
NTP?: Not listed.
IARC Carcinogen?: Not listed.
OSHA Regulated?: No.

Other Signs and Symptoms of Overexposure:
Kidney damage has been observed in rats following long-term ingestion of very high doses.

Chronic Exposure:
May sequester calcium and cause calcium phosphate deposits in the kidneys.

Medical Conditions Generally Aggravated by Exposure: No information found.

Section III – Hazard Ingredients/Composition Information

Information for specific product ingredients as required by the U.S. OSHA Hazard Communication Standard is listed.

<table>
<thead>
<tr>
<th>Components (Specific Chemical Identity; Common Name(s))</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyphosphate, Sodium Salt</td>
<td>Proprietary</td>
<td>25-45%</td>
</tr>
<tr>
<td>Water</td>
<td>-</td>
<td>≥55%</td>
</tr>
</tbody>
</table>
Section IV - First Aid Procedures

**Inhalation:** Immediately remove to fresh air. If breathing has stopped, give artificial respiration or oxygen. See a physician if irritation of the eyes, skin or respiratory tract occurs.

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Call a physician. Remove material from skin and clothing. Remove contact lenses immediately if possible.

**Skin Contact:** Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Thoroughly wash before reuse or discard. Get medical help if irritation occurs.

**Ingestion (Swallowing):** If conscious, immediately give several glasses of water or milk. Do not induce vomiting. NEVER give anything by mouth to an unconscious person. Take immediately to hospital or physician.

Section V - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Combustible</td>
<td>Not Flammable</td>
</tr>
</tbody>
</table>

**Extinguishing Media:**
Water spray, dry chemical, CO₂, or other class B extinguishing agent. This material does not burn. Use extinguishing media appropriate to the surrounding fire conditions

**Special Fire Fighting Procedures and Protective Equipment:**
This material does not burn. Move containers from fire area if it can be done without risk. Otherwise, use water in flooding quantities as a spray or fog to keep fire-exposed containers cool and absorb heat to help prevent rupture. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective equipment (Bunker Gear) will not provide adequate protection. Chemical resistant clothing (e.g. chemical splash suit and positive pressure self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) may be necessary.

**Unusual Fire and Explosion Hazards:**
Not Applicable

**Hazardous Decomposition or Combustion Byproducts:**
Not applicable

Section VI - Accidental Release Measures

**Steps to Be Taken in Case Material is Released or Spilled:**
When handling spill and leaks, follow good industrial hygiene and safety practices as outlined in this document. Dispose of in compliance with local regulations pertaining to phosphates. In case of spills, prevent discharge to the environment (use dykes for large spills). Absorb spillage with earth, sand, clay, sawdust or other inert absorbent material which does not react with spilled chemical. Place all spilled material, contaminated sorbent materials, contaminated dirt, and other contaminated material in chemical waste container. Flush residual spill area with large amounts of water.

Section VII - Precautions for Safe Handling and Storage

**Precautions to Be taken in Handling and Storing (General):**
Empty drums as thoroughly as possible to facilitate disposal. Do not use with incompatible materials such as strong acids and strong bases. Label and avoid damaging containers. Maintain handling equipment. Practice good housekeeping. It is good practice to keep storage containers closed when not in use and when empty.

**Ventilation:**
Provide ventilation to minimize exposure. Use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

**Other Precautions**
Section VII - Exposure Controls and Personal Protection

Respiratory Protection (Specify Type)
In cases where overexposure to mist may occur, use an approved NIOSH-MSHA mist respirator (N-95 or better). Consult respirator manufacturer to determine appropriate type of equipment for given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. Respiratory protection programs must be in compliance with 29CFR1910.134.

Ventilation

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use local natural or mechanical exhaust ventilation to minimize exposure at sources of air contamination such as open process equipment. Engineering or administrative controls should be implemented to control mist.</td>
<td>N/A</td>
</tr>
<tr>
<td>Mechanical (General)</td>
<td>Other</td>
</tr>
<tr>
<td>Use mechanical ventilation at sources of air contamination.</td>
<td>Open process equipment.</td>
</tr>
</tbody>
</table>

Protective Gloves
Wear impervious rubber or plastic gloves.

Eye Protection
Wear chemical goggles and a face shield and have eyewash station immediately available.

Other Protective Clothing or Equipment
Eyewash facility and safety shower in immediate area. Use impervious chemical resistant aprons, sleeves, and other chemical resistant clothing and boots. Always clean protective equipment before reuse.

Work/Hygienic Practices
Always wash hands thoroughly with soap and water after handling chemicals and before eating or smoking. Wash immediately if skin is contaminated. Remove contaminated clothing promptly. Keep contaminated clothing in closed containers. Discard or launder before reuse. Inform laundry personnel of contaminant's hazards. Obey all federal, state and local regulations.

Section IX - Physical/Chemical Characteristics

| Boiling Point: >101°C (213°F) | Specific Gravity: 1.40± 0.03 |
| Freezing Point: <0°C (32°F) | pH (1% sol'n): 4 – 7 |
| Solubility in Water: Complete | Evaporation Rate: Same as water |
| Appearance and Odor: Clear liquid - colorless to slight yellow tint |

NR: NOT REQUIRED, NE: NOT ESTABLISHED, NA: NOT APPLICABLE

Section X – Stability & Reactivity Data

Stability/Instability: Stable under normal conditions of storage and handling. Usually stable in alkaline aqueous solution, but breaks down (hydrolyzes) to orthophosphate under acidic conditions.

Incompatibility (Materials to Avoid): Strong Oxidizing Agents (eg. perchlorates, peroxides) and strong acids (eg. Sulfuric acid) - reaction may be violent. However, this product can safely be dosed into a water supply that contains dosage levels of oxidizers or acids that meet drinking water standards.

Conditions to Avoid: Do not expose to extreme temperatures

Hazardous Decomposition: When involved in a fire, the material may form toxic fumes of phosphorous oxides.

Hazardous Polymerization: Does not occur
Section XI - Toxicological Information

Available data on closely related material indicates the following:

**ORAL LD₅₀ (Rats):** = 3053 mg/kg

**Skin Irritation (rabbit, guinea pig):** Negligible irritation and no visible tissue damage was observed after a 50% solution was applied to intact and abraded skin.

**Acute Overexposure:** Irritating to body tissue with which it comes into contact.

**Chronic Overexposure:** No known cases of chronic poisoning due to phosphate solutions have been reported. May sequester calcium and cause calcium phosphate deposits in the kidneys.

**Carcinogenicity:** None of the components have been classified as a carcinogen by OSHA, NTP, and IARC.

**Medical Conditions Generally Aggravated by Exposure:** Phosphate solution will cause further irritation of tissue, open wounds, burns or mucous membranes.

Section XII - Ecological Information

Biodegradation: No specific biodegradation data is available for this product.

Section XIII - Disposal Considerations

Always dispose of in accordance with federal, state and local regulations pertaining to phosphates. Consult your attorney or appropriate regulatory officials for information on such disposal. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Section XIV - Transport Information

<table>
<thead>
<tr>
<th>D.O.T. Proper Shipping Name:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical class:</td>
<td>Water treatment chemical</td>
</tr>
<tr>
<td>D.O.T. Hazard class:</td>
<td>N/A</td>
</tr>
<tr>
<td>Identification No:</td>
<td>N/A</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section XV - Regulatory Information

**US Federal Regulations**

**TSCA:**
All components in this product are listed on the TSCA inventory.

**Health & Safety Reporting List:**
None of the chemicals in this product are on the Health & Safety Reporting List.

**Chemical Test Rules:**
None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:**
None of the chemicals in this product are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:**
None of the chemicals in this product have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs:**
None of the chemicals in this product have an RQ.

**SARA Section 302 Extremely Hazardous Substances:**
None of the chemicals in this product have a TPQ.

**SARA Codes:**
Acute

**Section 313:**
None of chemicals in this product are reportable under Section 313.

**Clean Air Act:**
This material does not contain any hazardous air pollutants.

**Clean Water Act:**
None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

State:
None of the chemicals in this product are present on state lists from CA, PA, WI, MA, or NJ.

California Prop 65:
California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations
European Labeling in Accordance with EC Directives:
Hazard Symbols: None
Risk Phrases: 22 Harmful if swallowed. 38 Irritating to skin
Safety Phrases: 2 Keep out of reach of children 61 Avoid releases to the environment.
WGK (Water Danger/Protection): None

Canada - DSL/NDSL:
All components are listed on Canada's DSL List
Canada - WHMIS:
None of the components in this product could be classified as hazardous in accordance with the hazard criteria of the Controlled Products Regulations.
Canadian Ingredient Disclosure List:
None of the components in this product are listed on the Canadian Ingredient Disclosure List.
Potable Water Approval: This product is NSF/ANSI Standard 60 certified.

Section XVI – Other Information

HMIS RATINGS:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Notice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>N/E</td>
</tr>
</tbody>
</table>

NFPA RATINGS:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Notice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SPECIAL HAZARD DESIGNATIONS
KEY: 0-MINIMAL, 1-SLIGHT, 2-MODERATE, 3-SERIOUS, 4-SEVERE

Recommended uses and Restrictions: Keep container closed when not in use. Corrosive to metals, store in plastic or FRP tanks. Avoid breathing mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is illegal.
NSF Product and Service Listings

These NSF Official Listings are current as of Friday, May 04, 2012 at 12:15 a.m. Eastern Time. Please contact NSF International to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information: http://www.nsf.org/Certified/PwsChemicals/Listings.asp?

CompanyName=American+Water+Chemicals&TradeName=A%2D700&

NSF/ANSI STANDARD 60
Drinking Water Treatment Chemicals - Health Effects

American Water Chemicals, Inc.
American Engineering Services
9203 King Palm Drive
Suite A
Tampa, FL 33619
United States
Tel - 888-217-8757
Tel - 813-246-5448

Facility: Tampa, FL

Miscellaneous Corrosion Chemicals

<table>
<thead>
<tr>
<th>Trade Designation</th>
<th>Product Function</th>
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<tbody>
<tr>
<td>AWC A-700</td>
<td>Corrosion &amp; Scale Control</td>
<td>28mg/L</td>
</tr>
</tbody>
</table>

[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.
AWC A-792 Water Distribution System Corrosion and Scale Inhibitor

**Advantages**

- AWC A-792 is a corrosion and scale inhibitor for the treatment of potable water systems.
- AWC A-792 is a polyphosphate product designed for use with hard to moderately hard water - it inhibits scale formation through mechanisms of threshold inhibition and dispersion. It is not recommended for use with soft water.
- AWC A-792 inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing by combining with water hardness to form a stable, evenly distributed protective film on the inside of distribution piping and metal surfaces.
- AWC A-792 has been approved by the National Sanitation Foundation (NSF) for use in potable water.
- AWC A-792P is guaranteed by American Water Chemicals to meet the requirements of ANSI/AWWA B502-05, Standard for Glassy Sodium Polyphosphate.

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Fine white powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td>2.45 ± 0.2</td>
</tr>
<tr>
<td>pH (1% solution)</td>
<td>6.5 ± 1</td>
</tr>
</tbody>
</table>

**Chemical Feeding and Control**

AWC A-792 is normally fed continuously to the system being treated by means of a chemical metering pump. In most applications, product is fed as a concentrate, without the necessity of dilution.

AWC A-792 dosing rate is based on water quality. The overall product applications and the specific chemical feed and control methods employed must be specified by the technical representative servicing the facility.

**Safety and Handling**

AWC A-792 in concentrated form may be toxic by ingestion. Do not take internally. If ingested, drink at least two (2) glasses of water and get immediate medical attention. Contact with eyes causes irritation. If eyes are contracted, immediately flush with clean water for 15 minutes and if irritation persists, get medical attention. In case of skin contact, wash with soap and water. For additional information, see the Material Safety Data Sheet provided with this product.

**Packaging**

AWC A-792 is available in 50 lb bags and 2000 lb super sacks. It can also be packaged in 50 lb, 100 lb or 400 lb plastic containers.
SAFETY DATA SHEET
AMERICAN WATER CHEMICALS
1802 CORPORATE CENTER LANE
PLANT CITY, FL 33563

AWC A-792P

Section I – Company and Product Identification

<table>
<thead>
<tr>
<th>American Water Chemicals</th>
<th>Telephone Number: (813)-246-5448</th>
</tr>
</thead>
<tbody>
<tr>
<td>1802 Corporate Center Lane</td>
<td>Chemtrec Phone Number: U.S.: 1-800-424-9300</td>
</tr>
<tr>
<td>Plant City, Fl 33563</td>
<td>Contract #: 1259</td>
</tr>
<tr>
<td>Date Prepared: June 7, 2009</td>
<td>Int'l: 1-703-527-3887</td>
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<td>Date Revised: 03/20/2012</td>
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<table>
<thead>
<tr>
<th>Trade Name</th>
<th>AWC A-792 P</th>
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<tr>
<td>Product Family</td>
<td>Corrosion Inhibitor, Sodium Hexametaphosphate</td>
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Section II - Hazard Ingredients/Composition Information

Information for specific product ingredients as required by the U.S. OSHA Hazard Communication Standard is listed.

<table>
<thead>
<tr>
<th>Components (Specific Chemical Identity; Common Name(s))</th>
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<th>%</th>
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<tr>
<td>Glassy Polyphosphate, Sodium Salt</td>
<td>68915-31-1</td>
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Section III - Hazards Identification

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Health Hazards (Effects of Acute and Chronic Overexposure)

Inhalation: Dust or mists from solutions can probably cause irritation of the nose and throat. High concentrations may cause coughing and choking. There is no human or animal information available, but it is probably irritating because it is moderately alkaline.

Eye Contact: Dust or mist from solutions may cause eye irritation and pain, based on its moderate alkalinity. There is no human or animal information available.

Skin Contact: No effects are expected if it is promptly rinsed off skin.

Ingestion (Swallowing): This product is low in oral toxicity, based on animal lethality studies. In small amounts, it is used as a food additive. Ingestion of very large amounts may cause nausea, vomiting, cramps, abdominal pain, diarrhea and severe inflammation of the stomach and intestinal tract. Ingestion is not a typical route of occupational exposure.

Carcinogenicity: Not listed.

IARC Carcinogen? Not listed.

OSHA Regulated? No.

Other Signs and Symptoms of Overexposure:

Kidney damage has been observed in rats following long-term ingestion of very high doses. In general, long-term exposures to high concentrations of dust may cause increased mucus flow in the nose and respiratory system airways. This condition usually disappears after exposure stops.

Medical Conditions Generally Aggravated by Exposure:

Persons with pre-existing chronic bronchitis may experience aggravation of symptoms by long term exposure to inhalation of high concentrations of dust.
Section IV - First Aid Procedures

**Inhalation:** Immediately remove to fresh air. If breathing has stopped, give artificial respiration or oxygen. See a physician if irritation of the eyes, skin or respiratory tract occurs.

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. Call a physician. Remove material from skin and clothing. Remove contact lenses immediately if possible.

**Skin Contact:** Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Thoroughly wash before reuse or discard. Get medical help if irritation occurs.

**Ingestion (Swallowing):** If conscious, immediately give several glasses of water. Do not induce vomiting. NEVER give anything by mouth to an unconscious person. Take immediately to hospital or physician.

Section V - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits:</th>
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</thead>
<tbody>
<tr>
<td>Not Combustible</td>
<td>Not Flammable</td>
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</tbody>
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**Extinguishing Media:**
Water spray, dry chemical, CO₂, or other class B extinguishing agent. This material does not burn. Use extinguishing media appropriate to the surrounding fire conditions.

**Special Fire Fighting Procedures and Protective Equipment:**
This material does not burn. Move containers from fire area if it can be done without risk. Otherwise, use water in flooding quantities as a spray or fog to keep fire-exposed containers cool and absorb heat to help prevent rupture. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter’s normal protective equipment (Bunker Gear) will not provide adequate protection. Chemical resistant clothing (e.g. chemical splash suit and positive pressure self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) may be necessary.

**Unusual Fire and Explosion Hazards:**
Not Applicable

**Hazardous Decomposition or Combustion Byproducts:**
Not applicable

Section VI - Accidental Release Measures

**Steps to Be Taken in Case Material is Released or Spilled:**
When handling spill and leaks, follow good industrial hygiene and safety practices as outlined in this document. Dispose of in compliance with local regulations. In case of spills of polyphosphate solution, prevent discharge to the environment (use dykes for large spills). Absorb spillage with earth, sand, clay, sawdust or other inert absorbent material which does not react with spilled chemical. Place all spilled material, contaminated sorbent materials, contaminated dirt, and other contaminated material in chemical waste container. Flush residual spill area with large amounts of water.

Section VII - Precautions for Safe Handling and Storage

**Precautions to Be taken in Handling and Storing (General):**
Empty drums as thoroughly as possible to facilitate disposal. Avoid generating dusts. Prevent the release of dust into the workplace air. Use in a well ventilated area, separate from the storage area. The use of compressed air to clean equipment, clothing, etc., is not recommended. Do not use with incompatible materials such as strong acids and strong bases. Label and avoid damaging containers. Maintain handling equipment. Practice good housekeeping. It is good practice to keep storage containers closed when not in use and when empty.

**Ventilation:**
Provide ventilation to minimize exposure. Use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

**Other Precautions**
Avoid breathing dust. Do not get in eyes, on skin, or on clothing. Wash contaminated clothes and shoes before reuse or discard. Use with adequate ventilation. Handle with due care. Wash thoroughly after handling. Do not taste or swallow. Keep container closed.

### Section VIII – Exposure Controls and Personal Protection

#### Respiratory Protection (Specify Type)
An approved respirator suitable for protection from dusts and mists may be adequate. Consult respirator manufacturer to determine appropriate type of equipment for given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. Respiratory protection programs must be in compliance with 29CFR1910.134.

<table>
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<tr>
<th>Local Exhaust</th>
<th>Special</th>
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<tr>
<td>Use local natural or mechanical exhaust ventilation to minimize exposure at sources of air contamination such as open process equipment.</td>
<td>N/A</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mechanical ventilation at sources of air contamination.</td>
<td>Open process equipment.</td>
</tr>
</tbody>
</table>

#### Protective Gloves
Wear impervious gloves.

#### Eye Protection
Wear chemical goggles and a face shield and have eyewash station immediately available.

#### Other Protective Clothing or Equipment
Eyewash facility and safety shower in immediate area. Use impervious chemical resistant aprons, sleeves, and other chemical resistant clothing and boots. Always clean protective equipment before reuse.

#### Work/Hygienic Practices
Always wash hands thoroughly with soap and water after handling chemicals and before eating or smoking. Wash immediately if skin is contaminated. Remove contaminated clothing promptly. Keep contaminated clothing in closed containers. Discard or launder before reuse. Inform laundry personnel of contaminant’s hazards. Obey all federal, state and local regulations.

### Section IX - Physical/Chemical Characteristics

- **Melting Point:** Anhydrous form decomposes at 550°C (1022°F)
- **Density (g/cm³):** 2.45±0.2
- **Solubility in Water:** Complete
- **pH (1% sol’n):** 6.5 – 7.1
- **Appearance and Odor:** Fine white powder or white granules. Odourless. Hygroscopic (absorbs moisture from the air)

NR: NOT REQUIRED, NE: NOT ESTABLISHED, NA: NOT APPLICABLE

### Section X – Stability & Reactivity Data

- **Stability/Instability:** Stable under normal conditions of storage and handling. Usually stable in alkaline aqueous solution, but breaks down (hydrolyzes) to orthophosphate under acidic conditions.
- **Incompatibility (Materials to Avoid):** Strong Oxidizing Agents (eg. perchlorates, peroxides) and strong acids (eg. Sulfuric acid) - reaction may be violent. However, this product can safely be dosed into a water supply that contains dosage levels of oxidizers or acids that meet drinking water standards.
- **Conditions to Avoid:** High temperatures, moisture, generation of dust.
- **Hazardous Decomposition:** When involved in a fire, the material may form toxic fumes of phosphorous.
- **Hazardous Polymerization:** Does not occur
SAFETY DATA SHEET
AMERICAN WATER CHEMICALS
1802 CORPORATE CENTER LANE
PLANT CITY, FL 33563

AWC A-792P

Section XI - Toxicological Information

Available data on closely related material indicates the following:

ORAL LD₅₀ (Rats): ≥3053 mg/kg
Skin Irritation (rabbit, guinea pig): Negligible irritation and no visible tissue damage was observed after a 50% solution was applied to intact and abraded skin.

Section XII - Ecological Information

Biodegradation:
No specific biodegradation data is available for this product.

Section XIII - Disposal Considerations

Always dispose of in accordance with federal, state and local regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

Section XIV - Transport Information

D.O.T. Proper Shipping Name: N/A
Technical class: Water treatment chemical
Identification No: N/A
D.O.T. Hazard class: N/A
Packing Group: N/A

Section XV - Regulatory Information

TSCA: All ingredients are listed in the TSCA inventory.
CERCLA: Not applicable
RCRA: Not applicable
DOT: Not regulated by DOT
WHMIS: Not applicable
SARA: SARA 311/312: Acute: Yes, Chronic: Yes, Fire: No, Pressure: No, Reactivity: No (Mixture / Solid)
Potable Water Approval: This product is NSF/ANSI Standard 60 certified. Max. use=12mg/L

Section XVI - Other Information

<table>
<thead>
<tr>
<th>HMIS RATINGS:</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Notice</th>
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<table>
<thead>
<tr>
<th>NFPA RATINGS:</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Notice</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SPECIAL HAZARD DESIGNATIONS KEY: 0-MINIMAL, 1-SLIGHT, 2-MODERATE,3-SERIOUS,4-SEVERE

Recommended uses and Restrictions: Keep container closed when not in use. Corrosive to metals, store in plastic or FRP tanks. Avoid breathing mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is
**NSF/ANSI STANDARD 60**  
Drinking Water Treatment Chemicals - Health Effects

American Water Chemicals, Inc.  
American Engineering Services  
9203 King Palm Drive  
Suite A  
Tampa, FL 33619  
United States  
☎️ 888-217-8757  
☎️ 813-246-5448

**Facility:** Tampa, FL

<table>
<thead>
<tr>
<th>Sodium Polyphosphates, Glassy</th>
<th>Product Function</th>
<th>Max Use</th>
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<tbody>
<tr>
<td>Trade Designation</td>
<td></td>
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</tr>
<tr>
<td>AWC A-792</td>
<td>Corrosion &amp; Scale Control</td>
<td>10mg/L</td>
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<tr>
<td>AWC A-792G</td>
<td>Sequestering</td>
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<td>AWC A-792P</td>
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<td>10mg/L</td>
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<tr>
<td></td>
<td>Sequestering</td>
<td></td>
</tr>
</tbody>
</table>

Number of matching Manufacturers is 1  
Number of matching Products is 3
Certificate of Compliance

We hereby confirm that we comply with the specifications listed on the bid as per the following:

- AWC A-700 and A-792 have been certified for use in potable water by the National Sanitation Foundation (NSF). NSF standard 60 certification listings have been included in this bid.

- AWC A-700 and A-792 have been approved for use in potable water supplies by the U.S. Environmental Protection Agency. These products also comply with the U.S.D.A. Guide Requirements for the use in a public water supply.

- The Product Data Sheets and MSDS have been included in this bid.

- If awarded the contract, American Water Chemicals, Inc. agrees to provide two 4-hour training sessions each year that meet the federal and state safety and right to know training requirements, at no cost to the County. Training session dates, times, and course outlines will be provided upon the award of the contract after agreeing with the County on the most convenient dates and times and after assessing the County’s particular training needs.

- AWC A-700 will be shipped in 275 gallon totes and empty totes will be picked up at no cost. AWC A-792 will be shipped in 40 to 50 lb. bags on pallet and shrink wrapped for delivery.

- American Water Chemicals, Inc. certifies that delivery trucks will be equipped to safely handle and unload product at Lee County facilities.

- American Water Chemicals, Inc. has been supplying AWC A-700 and A-792 to municipalities of similar size for more than 5 years. AWC has had zero safety incidents relating to the manufacturing and delivery of its chemicals. AWC has not had to terminate a contract early due to safety, quality, or service issues for any of its products.

Qiao-Qing Di
QA/QC Chemist
American Water Chemicals, Inc. warranties that the AWC A-700 and the AWC A-792 are phosphate based corrosion inhibitor products approved by the NSF standard 60 and are manufactured in an ISO 9000:2008 certified facility; and that they are manufactured as per the specifications stated herein.
CONFIDENTIAL

AWC Partial Reference List for Corrosion Inhibitors

Collier County, North WTP, Florida
12 MGD Nanofiltration
8 MGD Reverse Osmosis

Collier County, South WTP, Florida
20 MGD - Reverse Osmosis

City of Port St. Lucie, JEA Plant, Florida
22.5 MGD - Reverse Osmosis

City of Port St. Lucie, Prineville Plant, Florida
11.5 MGD - Reverse Osmosis
8.0 MGD - Lime Softening

Flagler Beach, Florida
2 MGD Reverse Osmosis

Town of Highland Beach
2 MGD Nanofiltration

City of Fort Pierce, Florida, USA
7.75 MGD - Reverse Osmosis
The Delegation of the Organization is authorized to purchase and maintain the same equipment as well as operate and maintain the same equipment.

Design, Formulation, and Manufacture of Chemicals for Water

ISO 9001:2008

Organization is in compliance with

9263 King Palm Drive, Suite A, Tampa, FL 33619 United States
American Water Chemicals, Inc.

Perry Johnson Registrars, Inc.

Perry Johnson Registrars, Inc.

(248) 375-3788
Southfield, Michigan 48076
38355 Eleration, Suite 1420
Perry Johnson Registrars, Inc.

President, Registrars

Perry Johnson Registrars, Inc.

(248) 375-3788

Perry Johnson Registrars, Inc.

(248) 375-3788

Perry Johnson Registrars, Inc.

(248) 375-3788

Perry Johnson Registrars, Inc.

(248) 375-3788

Perry Johnson Registrars, Inc.
CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFEES 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).

COVERAGES

<table>
<thead>
<tr>
<th>TYPE OF INSURANCE</th>
<th>POLICY NUMBER</th>
<th>LIMITS</th>
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<td>COMMERCIAL GENERAL LIABILITY</td>
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<td>CLAIMS-MADE</td>
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<td>MED EXP (Any one person)</td>
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<td>UMBRELLA LIABILITY</td>
<td>PROPERTY DAMAGE (Per accident)</td>
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<tr>
<td>WC 038087766 FL</td>
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<td>07/01/13</td>
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

All work sites, the employee working for the above named client company, paid under ADP TOTALSOURCE, Inc's payroll, are covered under the above stated policy. The above named client is an alternate employer under this policy.

CERTIFICATE HOLDER

American Water Chemicals, Inc.
1802 Corporate Center Lane
Plant City, FL 33563

CANCELATION

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

© 1988-2010 ACORD CORPORATION. All rights reserved.
CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFER NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED 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, CONDITIONS, AND EXCLUSIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

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:
Bouchard-Clearwater
101 Starcrest Drive
P.O. Box 6090
Clearwater, FL 33758-6090
727-447-6481
727-449-1267

INSURED:
American Engineering Services
Inc. DBA AES of California
American Water Chemicals, Inc.
Rudy Canezo
9203 King Palm Drive, Suite A

INSURER(S) AFFORDING COVERAGE:
AMERISURE INSURANCE COMPANY

COVERAGES:

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<tr>
<th>TYPE OF INSURANCE</th>
<th>POLICY NUMBER</th>
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10-DAY NOTICE OF CANCELLATION FOR NON-PAYMENT OF PREMIUM:
CERTIFICATE HOLDER IS ADDITIONAL INSURED WITH RESPECTS TO GENERAL LIABILITY POLICY BUT ONLY WITH RESPECT TO LIABILITY ARISING OUT OF THE WORK PERFORMED BY OR ON BEHALF OF THE NAMED INSURED AS REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER:

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:

© 1988-2009 ACORD CORPORATION. All rights reserved.
I certify from the records of this office that AMERICAN WATER CHEMICALS INC. is a corporation organized under the laws of Delaware, authorized to transact business in the State of Florida, qualified on April 12, 1994.

The document number of this corporation is F94000001871.

I further certify that said corporation has paid all fees due this office through December 31, 2012, that its most recent annual report was filed on January 3, 2012, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of Florida, at Tallahassee, the Capital, this the Fourth day of January, 2012

Secretary of State

Authentication ID: 300215884283-010412-F94000001871
To authenticate this certificate, visit the following site, enter the ID, and then follow the instructions displayed.
https://efile.sunbiz.org/certauthver.html
## 2011-2012 HILLSBOROUGH COUNTY BUSINESS TAX RECEIPT

<table>
<thead>
<tr>
<th>OCC. CODE</th>
<th>BUSINESS TYPE</th>
<th>HM WASTE</th>
<th>SURCHARGE</th>
<th>TAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>380.004</td>
<td>RETAIL SALE S W/HAZARDOUS WASTE</td>
<td>40.00</td>
<td>30.00</td>
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</tr>
</tbody>
</table>

### BUSINESS LOCATION

9203 KING PALM DR STE A  
TAMPA 33619

### NAME

AMERICAN WATER CHEMICALS INC

### MAILING ADDRESS

9203 KING PALM DRIVE STE A  
TAMPA FL 33619

---

**BUSINESS TAX RECEIPT**

Douglas Belden, Tax Collector  
813-635-5200

Paid: 21213 - 85  
08/18/2011 *** 70.00

This becomes a tax receipt when validated.
CERTIFICATE OF LIABILITY INSURANCE

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).

727-447-6481
NAME:
727-449-1261
PHONE
OP ID: GF
PRODUCER
Bouchard-Clearwater
101 Starcrest Drive
Clearwater, FL 33758-6090
Bouchard Insurance

INSURED
American Engineering Services
Inc. DBA AES of California
American Water Chemicals, Inc.
Rudy Canezo
1802 Corporate Center Lane

INSURER A: Amerisure Insurance Company
INSURER B: Colony Insurance Co
INSURER C:
INSURER D:
INSURER E:

COVERAGE
GENERAL LIABILITY
Commercial General Liability
X OCCUR
Claims-Made

Certificate Number:
G24205320002
05/01/12 06/01/13

EXCESS LIABILITY
Excess Liability
Claims-Made

Certificate Number:
EXC3000775
06/01/12 05/01/13

Limit:
$ 2,500

Total Limit:
$ 1,000,000

Wherever a limit is shown, the limit applies to each occurrence and in the aggregate. Each occurrence is a single accident, event, or condition of a similar or related nature that results in the liability of the insured.

LEECOUNTY BOARD OF COUNTY
COMMISSIONERS C/O LEE COUNTY
PROCUREMENT MANAGEMENT
P O BOX 398
FORT MYERS, FL 33902-0398

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

© 1988-2009 ACORD CORPORATION. All rights reserved.
CERTIFICATE OF LIABILITY INSURANCE

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, Inc of Florida
1501 Brickell Bay Drive, Suite #1100
Miami, FL 33131-4937

INSURED
ADP TotalSource III, Inc.
10200 Sunset Drive
Miami, FL 33173

ALTERNATE EMPLOYER
American Water Companies, Inc
101 Corporate Center Lane
Plant City, FL 33563

CONTACT
NAME: Aon Risk Services, Inc of Florida
PHONE: (Inc. No, Ext): 800-743-8130
FAX: (Inc. No): 602-522-7514
EMAIL: ADP COI Center@Aon.com

INSURER(S) AFFORDING COVERAGE
NAC #
INSURER A: Illinois National Insurance Co

COVERAGES
CERTIFICATE NUMBER: 485715

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.

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<thead>
<tr>
<th>TYPE OF INSURANCE</th>
<th>ADDED INSURED</th>
<th>W/O</th>
<th>POLICY NUMBER</th>
<th>REVISION NUMBER</th>
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<tr>
<td>GENERAL LIABILITY</td>
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<tr>
<td>COMMERCIAL GENERAL LIABILITY</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLAIMS-MADE</td>
<td>OCCUR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GENL AGGREGATE LIMIT APPLIES PER:</td>
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<td>PROJECT</td>
<td>LOC</td>
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<tr>
<td>AUTOMOBILE LIABILITY</td>
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</tr>
<tr>
<td>ANY AUTO</td>
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<tr>
<td>ALL OWNED AUTOS</td>
<td>SCHEDULED AUTOS</td>
<td>NON-OWNED AUTOS</td>
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<tr>
<td>HIRED AUTOS</td>
<td>OCCUR</td>
<td>CLAIMS-MADE</td>
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<tr>
<td>EXCESS LIABILITY</td>
<td>OCCUR</td>
<td>CLAIMS-MADE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEC</td>
<td>RETENTION $</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>A WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY</td>
<td>Y/N</td>
<td>07/01/12</td>
<td>07/01/13</td>
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<tr>
<td>ANY PROPRIETOR/OWNER/EXECUTIVE OFFICER/EMBER EXCLUDED? (Mandatory in NH)</td>
<td>Y/N</td>
<td>07/01/12</td>
<td>07/01/13</td>
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<tr>
<td>DESCRIPTION OF OPERATIONS below</td>
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<tr>
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<tr>
<td>CERTIFICATE HOLDER</td>
<td>CANCELLATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lee County Board of County Commissioners</td>
<td>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO- Lee County Procurement Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P. O. Box 368</td>
<td>AON RISK SERVICES, INC OF FLORIDA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Port Nevis, FL 33992-0369</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACORD 25 (2010/05) The ACORD name and logo are registered marks of ACORD © 1998-2010 ACORD CORPORATION. All rights reserved.
DATE: June 25, 2012

Lee County Procurement Management
Attn: Mr. Chris Jeffcoat, CPPB
1825 Hendry St. 3rd Floor
Fort Myers, FL 33901

Dear Mr. Jeffcoat,

Thank you for the opportunity to provide you with our proposal for the Corrosion/Scale Inhibitor on your Project No. Q-120334. All bid documentation should be included with our proposal per your request and instructions; we also hereby confirm that we are in compliance with all your technical specifications and requirements listed on the bid documents.

It is noteworthy to mention that American Water Chemicals, Inc. is a manufacturer, not a repackager, and we are one of the few manufacturers that are ISO9001:2008 registered. A copy of the registration certificate is enclosed.

Finally, American Water Chemicals, Inc has been helping the water treatment plants in the USA with their chemical needs for over sixteen years, manufacturing products for the optimum operation of their systems. Please review the enclosed proposal, and feel free to contact us for any questions or clarification.

I will appreciate much if you fax or email me a copy of the bid tabulation once it is available.

Sincerely,

Ana Maria Padgett
Sales Engineer
American Water Chemicals
apadgett@aesh2o.com
Tel: (813) 246-5448
Fax: (813)623-6678
Tetrasodium Pyrophosphate

Section 1 - Product and Company Identification

Material Name • Tetrasodium Pyrophosphate
CAS Number • 7722-88-5
EINECS • 231-767-1
Molecular Formula • Na₄P₂O₇
Molecular Weight • 265.91
Product Description • White crystalline solid with no odor.
Synonyms • Anhydrous Tetrasodium Pyrophosphate; TSPP
Manufacturer • Innophos
PO Box 8000
259 Prospect Plains Road Cranbury, NJ 08512-8000
United States

Telephone
Technical • 609-495-2495
Emergency • 800-424-9300
Emergency • 615-386-7816
Emergency • 703-527-3887

Preparation Date • 11/15/2004
Last Revision Date • 07/20/2010

Section 2 - Hazards Identification

Emergency Overview

WARNING
May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. May be harmful if swallowed.

Prevention • Keep container tightly closed. Avoid breathing dust, fume, gas, mist, vapours and/or spray. Wear protective gloves, clothing, and eye/face protection. Wash thoroughly after handling.

Response • IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage/Disposal • Store in a well-ventilated place. Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
OSHA
WHMIS
- irritant
- Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B

EU
- Irritant - Xi
  R36/37/38

GHS
- Specific Target Organ Toxicity Single Exposure - Category 3, Skin Corrosion/Irritation
  - Category 2, Serious Eye Damage, Eye irritation - Category 2A, Acute Toxicity - Category 5

Route Of Entry
Medical Conditions
Aggravated by Exposure
- Inhalation, Skin, Eye, Ingestion
- Disorders of the lungs, Skin

NFPA:

Potential Health Effects
Inhalation
  Acute (Immediate)  May cause respiratory irritation.
  Chronic (Delayed)  No data available.
Skin
  Acute (Immediate)  May cause irritation.
  Chronic (Delayed)  No data available.
Eye
  Acute (Immediate)  May cause severe irritation. May cause redness, burns.
  Chronic (Delayed)  No data available.
Ingestion
  Acute (Immediate)  Harmful if ingested. May cause burns to mouth and esophagus, nausea, vomiting, and diarrhea.
  Chronic (Delayed)  No data available.
Carcinogenic Effects
  This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients
Hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>% (weight)</th>
<th>UN;EINECS</th>
<th>LD50/LC50</th>
<th>EU Classification &amp; R Phrases</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4)</td>
<td>7722-88-5</td>
<td>100%</td>
<td>231-767-1</td>
<td>Ingestion/Oral-Rat LD50: ≥4 g/kg</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). This product is considered dangerous according to the European Directive 67/548/EEC. According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

**Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Eye**
- Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 20 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.

**Ingestion**
- Do NOT induce vomiting. If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Rinse mouth. Obtain medical attention immediately if ingested. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair.

**Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule.

**Other Information**
- Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

**Extinguishing Media**
- Not combustible. Use extinguishing media suitable for surrounding fire.

**Unsuitable Extinguishing Media**
- None known.

**Firefighting Procedures**
- LARGE FIRES: Move containers from fire area if you can do it without risk.
- LARGE FIRES: Do not scatter spilled material with high pressure water streams.
- LARGE FIRES: Dike fire-control water for later disposal.

**Unusual Fire and Explosion Hazards**
- Non-combustible.
<table>
<thead>
<tr>
<th>Section 6 - Accidental Release Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Precautions</strong></td>
</tr>
<tr>
<td>- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.</td>
</tr>
<tr>
<td><strong>Emergency Procedures</strong></td>
</tr>
<tr>
<td>- Keep unauthorized personnel away. Ventilate closed spaces before entering.</td>
</tr>
<tr>
<td><strong>Environmental Precautions</strong></td>
</tr>
<tr>
<td>- Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in a appropriate container for disposal. Prevent material from entering public sewer system or any waterways. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.</td>
</tr>
<tr>
<td><strong>Containment/Clean-up Measures</strong></td>
</tr>
<tr>
<td>- Avoid generating dust. SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Clean up residual material by washing area with water. Decontaminate tools and equipments after cleanup. LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading.</td>
</tr>
<tr>
<td><strong>Prohibited Materials</strong></td>
</tr>
<tr>
<td>- None known.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 7 - Handling and Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handling</strong></td>
</tr>
<tr>
<td>- Keep containers closed when not in use. Do not breathe (dust, vapor or spray mist) Do not get on skin or in eyes. Do not ingest. Do not use in areas without adequate ventilation.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
</tr>
<tr>
<td>- Store in a tightly closed container. Store in an area that is sanitary, dry, well-ventilated, cool, isolated from all toxic and harmful substances, away from ignition sources.</td>
</tr>
<tr>
<td><strong>Special Packaging Materials</strong></td>
</tr>
<tr>
<td>- None known.</td>
</tr>
<tr>
<td><strong>Incompatible Materials or Ignition Sources</strong></td>
</tr>
<tr>
<td>- None known.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section 8 - Exposure Controls/Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Protective Equipment</strong></td>
</tr>
<tr>
<td><strong>Pictograms</strong></td>
</tr>
<tr>
<td>- 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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.</td>
</tr>
<tr>
<td><strong>Respiratory</strong></td>
</tr>
<tr>
<td>- Wear safety glasses.</td>
</tr>
<tr>
<td>- Wear appropriate gloves.</td>
</tr>
<tr>
<td><strong>Eye/Face</strong></td>
</tr>
<tr>
<td>- Do not use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.</td>
</tr>
<tr>
<td><strong>General Industrial Hygiene Considerations</strong></td>
</tr>
<tr>
<td>- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.</td>
</tr>
</tbody>
</table>

Page 4 of 13
<table>
<thead>
<tr>
<th>Result</th>
<th>ACGIH</th>
<th>Argentina</th>
<th>Australia</th>
<th>Canada Ontario</th>
<th>Canada Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Pyrophosphate</td>
<td>TWAs</td>
<td>10 mg/m³ TWA (inhalable particles, recommended); 3 mg/m³ TWA (respirable particles, recommended) as Particulates not otherwise classified (PNOC)</td>
<td>10 mg/m³ TWA (inhalable fraction, particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m³ TWA (respirable fraction, particulate matter containing no asbestos and less than 1% crystalline silica) as Particulates not otherwise classified (PNOC)</td>
<td>Not established</td>
<td>10 mg/m³ TWAEV (inhalable particulate); 3 mg/m³ TWAEV (respirable particulate) as Particulates not otherwise classified (PNOC)</td>
</tr>
</tbody>
</table>

| Diphosphoric acid, sodium salt (1:4) (7722-88-5) | TWAs                                                               | Not established | 5 mg/m³ TWA | 5 mg/m³ TWA | 5 mg/m³ TWAEV | 5 mg/m³ TWAEV |

<table>
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<tr>
<th>Result</th>
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<th>Indonesia</th>
<th>Korea</th>
<th>Malaysia</th>
<th>New Zealand</th>
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</thead>
<tbody>
<tr>
<td>Tetrasodium Pyrophosphate</td>
<td>TWAs</td>
<td>8 mg/m³ TWA (free SiO₂ &lt; 10%, except asbestos and toxic substances. Use PC-TWA of silica when free SiO₂ &gt; 10%, total) as Particulates not otherwise classified (PNOC)</td>
<td>10 mg/m³ NAB (not containing asbestos and the crystal content is &lt; 1%, inhalable particulate); 3 mg/m³ NAB (not containing asbestos and the crystal content is &lt; 1%, respirable particulate) as Particulates not otherwise classified (PNOC)</td>
<td>Not established</td>
<td>10 mg/m³ TWA (particulate matter containing no asbestos and &lt; 1% crystalline silica, inhalable fraction); 3 mg/m³ TWA (particulate matter containing no asbestos and &lt; 1% crystalline silica, respirable fraction) as Particulates not otherwise classified (PNOC)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Tetrasodium Pyrophosphate</th>
<th>STEL</th>
<th>Not established</th>
<th>Not established</th>
<th>Not established</th>
<th>Not established</th>
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</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4) (7722-88-5)</td>
<td>TWAs</td>
<td>Not established</td>
<td>5 mg/m³ NAB</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
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<table>
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<tr>
<th>Result</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>OSHA Vacated</th>
<th>Singapore</th>
<th>South Africa</th>
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</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4) (7722-88-5)</td>
<td>TWAs</td>
<td>Not established</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
</tr>
</tbody>
</table>
Tetrasodium Pyrophosphate

<table>
<thead>
<tr>
<th>Result</th>
<th>Switzerland</th>
<th>Taiwan</th>
<th>United States - California</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWAs</td>
<td>5 mg/m³ TWA</td>
<td>Not established</td>
<td>10 mg/m³ PEL (total dust); 5 mg/m³ PEL (respirable fraction) as Particulates not otherwise classified (PNOC)</td>
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</table>

<table>
<thead>
<tr>
<th>Diphosphoric acid, sodium salt (1:4) (7722-88-5)</th>
<th>TWAs</th>
<th>Not established</th>
<th>5 mg/m³ TWA</th>
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</thead>
<tbody>
<tr>
<td>PEL</td>
<td></td>
<td>5 mg/m³ PEL</td>
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</tbody>
</table>

**Exposure Control Notations**

South Africa

*Diphosphoric acid, sodium salt (1:4) (7722-88-5): Skin: (Skin Notation)*

**Key to abbreviations**

- **MSHA** = Mine Safety and Health Administration
- **MAK** = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
- **NIOSH** = National Institute of Occupational Safety and Health
- **NAB** = Threshold Values (Indonesia)
- **PEL** = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)
- **STEL** = Short Term Exposure Limits are based on 15-minute exposures
- **TWA** = Time-Weighted Averages are based on 8 h/day, 40 h/week exposures
- **TWAERV** = Time-Weighted Average Exposure Value
- **ACGIH** = American Conference of Governmental Industrial Hygiene
- **OSHA** = Occupational Safety and Health Administration

**Section 9 - Physical and Chemical Properties**

**Physical Form**

- Solid

**Appearance/Description**

- White crystalline solid with no odor.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Taste</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>995°C(1809°F)</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>2.534</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>158.1973 lb/sq ft²</td>
</tr>
<tr>
<td><strong>Bulk Density</strong></td>
<td>0.5 to 1 g/cm³</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>Soluble 5%</td>
</tr>
<tr>
<td><strong>Solvent Solubility</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Half-Life</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Octanol/Water Partition coefficient</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>VOC (Wt.)</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>VOC (Vol.)</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Volatiles (Wt.)</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Volatiles (Vol.)</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>Flash Point Test Type</strong></td>
<td>NDA</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td>NDA</td>
</tr>
</tbody>
</table>
Section 10 - Stability and Reactivity

Stability  
- Stable under normal temperatures and pressures.

Hazardous Polymerization  
- Hazardous polymerization will not occur.

Conditions to Avoid  
- Dusting conditions. Moisture.

Incompatible Materials  
- No data available

Hazardous Decomposition Products  
- None known.

Section 11 - Toxicological Information

Other Material Information  
- May cause irritation to skin, eye and respiratory tract.

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Dosage</th>
<th>Units</th>
<th>Route</th>
<th>Species</th>
<th>Duration</th>
<th>Results</th>
<th>Test Class</th>
<th>Target Organs</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritation</td>
<td>NDA</td>
<td>NDA</td>
<td>Eye</td>
<td>Rabbit</td>
<td>NDA</td>
<td>NDA</td>
<td>Severe</td>
<td>NDA</td>
<td>Unwashed</td>
</tr>
<tr>
<td>Irritation</td>
<td>NDA</td>
<td>NDA</td>
<td>Skin</td>
<td>Rabbit</td>
<td>NDA</td>
<td>NDA</td>
<td>Essentially Non-Irritating</td>
<td>NDA</td>
<td>Washed</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Skin</td>
<td>Rabbit</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>4000</td>
<td>mg/kg</td>
<td>Ingestion/Oral</td>
<td>Rat</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>2980</td>
<td>mg/kg</td>
<td>Ingestion/Oral</td>
<td>Mouse</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>2150</td>
<td>mg/kg</td>
<td>Ingestion/Oral</td>
<td>Rat (Male)</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>Acute Toxicity</td>
<td>1825</td>
<td>mg/kg</td>
<td>Ingestion/Oral</td>
<td>Rat (Female)</td>
<td>NDA</td>
<td>LD50</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Key to abbreviations
LD = Lethal Dose

Section 12 - Ecological Information

Ecological Fate  
- No data found for product.

Persistence/Degradability  
- No data found for product.

Bioaccumulation Potential  
- No data found for product.

Mobility in Soil  
- No data found for product.

Other Information  
- No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

Section 13 - Disposal Considerations

Product  
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.
DOT - United States - Department of Transportation  
Shipping Name: Not Regulated

TDG - Canada - Transport of Dangerous Goods  
Shipping Name: Not Regulated

IMO/IMDG - International Maritime Transport  
Shipping Name: Not Regulated

ADN - Europe Transport of Dangerous Goods by Road/Inland Waterway  
Shipping Name: Not Regulated

IATA - International Air Transport Association  
Shipping Name: Not Regulated

ADR - Europe Transport of Dangerous Goods by Road/Inland Waterway  
Shipping Name: Not Regulated

RID - Europe Transport of Dangerous Goods by Railways  
Shipping Name: Not Regulated

### Section 15 - Regulatory Information

SARA Hazard Classifications  
- Acute

Risk & Safety Phrases  
- R36/37/38 Irritating to eyes, respiratory system and skin.  
- S24/25 Avoid contact with skin and eyes.  
- S22 Do not breathe dust.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Australia AICS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4)</td>
<td>7722-88-5</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>EU ELNICS</th>
<th>Japan ENCS</th>
<th>Korea KECL</th>
<th>New Zealand</th>
<th>Philippines PICCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4)</td>
<td>7722-88-5</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Switzerland SWISS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphosphoric acid, sodium salt (1:4)</td>
<td>7722-88-5</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### Australia

#### Labor

**Australia - High Volume Industrial Chemicals List**
- Diphosphoric acid, sodium salt (1:4)  
  7722-88-5  100%

**Australia - List of Designated Hazardous Substances - Classification**
- Diphosphoric acid, sodium salt (1:4)  
  7722-88-5  100%  Self classification required

#### Environment

**Australia - National Pollutant Inventory (NPI) Substance List**
None Listed

**Australia - Priority Existing Chemical Program**
None Listed

#### Other

**The Australia Group - Export Control List - Chemical Weapons Precursors**
None Listed

### Canada

#### Labor

**Canada - List of Prohibited and Restricted Cosmetic Ingredients (The Cosmetic Ingredient Hotlist)**
None Listed

**Canada - WHMIS - Classifications of Substances**
- Diphosphoric acid, sodium salt (1:4)  
  7722-88-5  100%  D2B

**Canada - WHMIS - Ingredient Disclosure List**
- Diphosphoric acid, sodium salt (1:4)  
  7722-88-5  100%  1 %

#### Environment

**Canada - CEPA - Priority Substances List**
None Listed

### China

#### Other

**China - Annex I & II - Controlled Chemicals Lists**
None Listed

**China - Dangerous Goods List**
None Listed

### Croatia

#### Environment

**Croatia - Air Quality - Emission Limits for Stationary Sources**
None Listed

**Croatia - Air Quality - Limit Values for Gaseous Pollutants**
None Listed

**Croatia - Air Quality - Recommended Values for Gaseous Pollutants**
None Listed

**Croatia - Ozone Depleting Substances - Annex A, Group I**
None Listed

### Egypt
**Environment**

- **Egypt - Air Pollutants - Emissions Limits - Overall Particles**
  - None Listed
- **Egypt - Air Pollutants - Maximum Limits**
  - None Listed

**Europe**

- **Environment**
  - **EU - Substances Depleting the Ozone layer (1005/2009) - Annex I Substances**
    - None Listed
  - **EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Major Accident Notification**
    - None Listed
  - **EU - Seveso II Directive (96/82/EC) - Qualifying Quantities for Safety Report Requirements**
    - None Listed

**Other**

- **EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**
  - None Listed
- **EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits**
  - None Listed
- **EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling**
  - None Listed
- **EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**
  - None Listed
- **EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**
  - None Listed
- **EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2002/95/EC) (RoHS)**
  - None Listed

**India**

- **Environment**
  - **India - Hazardous Chemical Rules - List of Hazardous and Toxic Chemicals**
    - None Listed
  - **India - Ozone Depleting Substances - Schedule I**
    - None Listed

**Indonesia**

- **Environment**
  - **Indonesia - Hazardous Waste from Non-Specific Sources**
    - None Listed
  - **Indonesia - Hazardous Waste from Specific Sources**
    - None Listed

**Japan**

- **Labor**
  - **Japan - ISHL Dangerous Substances**
    - None Listed
  - **Japan - ISHL Designated Carcinogens**
    - None Listed
  - **Japan - ISHL Harmful Substances Prohibited for Manufacture**
    - None Listed
  - **Japan - ISHL Notifiable Substances**
    - Diphosphoric acid, sodium salt (1:4): 7722-88-6 100% 1 % weight

- **Environment**
  - **Japan - Air Pollution Control Law - Emission Standards for Air Pollutants**
    - None Listed
<table>
<thead>
<tr>
<th>Country</th>
<th>Section</th>
<th>Description</th>
<th>None Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Korea</strong></td>
<td><strong>Labor</strong></td>
<td>Korea - MOE - Harmful Substances</td>
<td>None Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
<td>Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Malaysia</strong></td>
<td><strong>Labor</strong></td>
<td>Malaysia - Occupational Safety &amp; Health - Risk Phrases</td>
<td>None Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Malaysia - Occupational Safety &amp; Health - Safety Phrases</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
<td>Malaysia - Clean Air Regulations - Noxious and Offensive Substances</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Mexico</strong></td>
<td><strong>Environment</strong></td>
<td>Mexico - Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td>Mexico - Hazard Classifications</td>
<td>None Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico - Regulated Substances</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>New Zealand</strong></td>
<td><strong>Other</strong></td>
<td>New Zealand - Ozone Depleting Substances</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Other Agency Information</strong></td>
<td></td>
<td>aiha - Emergency Response Planning Guidelines - erpg-1 values</td>
<td>None Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>aiha - Emergency Response Planning Guidelines - erpg-2 values</td>
<td>None Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>aiha - Emergency Response Planning Guidelines - erpg-3 values</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Philippines</strong></td>
<td><strong>Environment</strong></td>
<td>Philippines - Ozone Depleting Substances - Annex A - Group I</td>
<td>None Listed</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td>Philippines - Priority Chemical List</td>
<td>None Listed</td>
</tr>
</tbody>
</table>
### Singapore

**Environment**
- **Singapore - Air Impurities Emission Limits**
  None Listed
- **Singapore - List of Hazardous Substances**
  None Listed

### South Africa

**Labor**
- **South Africa - General Machinery Regulations - Notifiable Substances**
  None Listed

### Taiwan

**Environment**
- **Taiwan - Toxic Chemical Substances Control Act - Threshold Regulated Quantities**
  None Listed
- **Taiwan - Toxic Chemical Substances Control Act - Classification and Control Levels**
  None Listed

### Thailand

**Labor**
- **Thailand - Air Contaminant Standards**
  None Listed

**Environment**
- **Thailand - Quantities of Chemicals**
  None Listed

**Other**
- **Thailand - Hazardous Substances**
  None Listed

### United States

**Environment**
- **U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**
  None Listed
- **U.S. - CAA (Clean Air Act) - Class I Ozone Depleters**
  None Listed
- **U.S. - CAA (Clean Air Act) - Class II Ozone Depleters**
  None Listed
- **U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**
  None Listed
- **U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**
  None Listed
- **U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**
  None Listed
- **U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**
  None Listed
- **U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents**
  None Listed
- **U.S. - SDWA (Safe Drinking Water Act) - CCL (Contaminant Candidate List)**
  None Listed

### Vietnam

**Environment**
- **Vietnam - Air Quality - Ambient Air Quality Standards**
  None Listed
Vietnam - Air Quality - Industrial Emission Standards
None Listed
Vietnam - Air Quality - Maximum Allowable Concentration of Highly Hazardous Chemicals
None Listed

Section 16 - Other Information

Preparation Date 11/15/2004
Last Revision Date 07/20/2010
Disclaimer/Statement of Liability
* The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations
NDA = No Data Available
Objective

- Mauser is aware of its *environmental responsibility*.
- We are committed to providing a seamless *container return and recycling service* to our customers for IBCs model *MAMOR – SM 1.000L*.
- A full service program that is *easy* to use.

**RECOLLECT SERVICE**

For collection of empty IBC's, please contact the below indicated numbers.

**USA**
- +1-888-211-7104
- +1-859-534-5542

**EUROPE**
- Italy +39.02.909365251
- +39.02.909365228
- DE +49.173.5445172
- UK +44.161.2054400
- E +34.679965858
- F +33.685505422

**SOUTH AMERICA**
- +55.24.24479760
- +55.24.24479755

For other countries pls contact the centralized call-center in Italy.
North America Program

- Free pickup in the continental U.S.A. and Canada.

- Pickup within 5 working days after notification.

- Minimum quantity eight containers.

- Toll-free telephone number 1-888-211-7104

- Collection is free only if Recollect General Conditions are completely fulfilled
Procedure

- New customers – call 1-888-211-7104 for program information and enrollment.

- Existing customers – fax the Container Return Form to the Mauser Recycling administrator at 1-630-654-9448.

- Contact us at recollect.service@mamor.it
General Conditions of Collection

Container Checklist

- Each IBC must be completely empty. No residue heel, drip dry, granule free and free of solidified residue both inside and outside the container. (less than 1 gallon)
- Valves and/or other closures must be in place and operable. The DOT requires that all valves must be closed and secure for transportation, same as a filled container.
- Label plates and product label must be in place. The appropriate hazardous UN or DOT markings must be affixed to the container and placards must be available for transportation.
- IBC must be intact, no damage to the inner bottle, steel cage or other integral parts of the container and no severe oxidation on the outside.
- Number of containers indicated on the return form must match the number of containers given for pickup.
- Container Return Form must be completely fill out and faxed to a Mamor recycling coordinator. Fax number 1-630-654-9448.
- An MSDS of the last contained product may be required for the first time pickup.
- A bill of lading will be prepared by Mamor (or Partners) and faxed back to the shipper. Shipper must sign and give to Mamor assign carrier.
- Residual product in IBC over the above mentioned quantity will be charged 9 USD per Gal.
- Non reusable IBCs will be disposed and a cost of 50 USD plus inbound transportation will be charged to the customer.
RECOLLECT FORMULAR

RECOLLECT SERVICE
FOR Manor 1.000L – MODEL SM
Tel +1-888-2117104 Fax +1-630-6549448*

In order to organize the picking-up of empty IBC's 275 Gal we kindly ask you to read carefully this form, fill it in completely, sign and return back to the above fax-number.

We will carry out the collection within 5 days after receiving this document.

Minimum quantity 8 pieces.

<table>
<thead>
<tr>
<th>Packaging type - model</th>
<th>Quantity</th>
<th>Commercial name of the chemical product</th>
<th>UN-number</th>
<th>Class</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Please indicate the right model.

Metal/plastic pallet □ SM13  Was the contained product a dangerous good?  YES  NO

The sender declares that Manor IBCs, indicated here above fulfill the following points:

1. □ within technical limits allowed by the packaging's confirmation, they are completely emptied that means free of any solidified and sticky residues, granule free, drop free and closed, or
   □ are rinsed-out and drop free, or
   □ are product free (for example because the product was contained in an in-liner, which has been taken away) and closed.
   □

2. □ we're not contaminated by products, different from the ones mentioned above.

3. □ carry labels corresponding to the last products contained and to transport have in force.

4. □ before giving-back, they have been neutralized, are free of product and/or smells (if for example it was a toxic product or exhalhing bad smells).

5. □ on the base of their general condition, they are reconditionable (that means also that the cage and the pallet should not be irreparably damaged, the PI6-liner and each accessory are not tampered, generally the IBC does not present a state of advanced deterioration.

The sender confirms that the receiver keeps the right of:

- returning to the sender -on sender's cost- Manor IBCs (included the freights of picking-up and returning back) if they do not fulfill the above mentioned conditions, or
- issuing an invoice about eventual costs born for the recycling of liquid residues contained in the IBC's or similars.
- issuing an invoice about eventual costs born for the recycling of the IBCs, in case of products' content, that can not be eliminated.
- changing freights for eventual failed picking-up, not due to our service willingness.

IMPORTANT: LOADING HOURS

Date, stamp and signature.
RECOLLECT WORLDWIDE

RECOLLECT-SERVICE is a service offered by MAUSER to its customers for the collection of empty IBC's model MAMOR SM 1.000L at the final user's plant.

RECOLLECT-SERVICE acts in Europe, North and South America.

RECOLLECT-SERVICE is free-of-charge*.

Beyond the active structure, RECOLLECT grants a collection service also in those countries, not expressly mentioned. In this case the end-user will address his request to the European call-centres.

RECOLLECT will manage and develop the request through a collaboration with local partners.

CALL-CENTRES

EUROPE
☎ 0039.02.909365251
☎ 0039.02.909365228
☎ 0049.173.5445172
☎ 0033.685505422
☎ 0034.679965858
☎ 0044.161.2054400

USA/NORTH AMERICA
☎ 001. 888.2117104
☎ 001.859.5345542

SOUTHAMERICA
☎ 0055.24.24479760
☎ 0055.24.24479755

recollect.service@mamor.it

* If RECOLLECT conditions are respected.
External Chemical Emergency Response CHEMTREC Contacts ENV-002.1

To: Switchboard Operators/ Plant Supervisors/ Lead Techs and Control room Operators
From: Chithambarathanu Pillai
CC: ES, JB, IC, SH, RM
Subject: Emergency / CHEMTREC Contacts.

Please note the updated list of the CHEMTREC© contacts, the names to call are as follows:

The Peru HQ switchboard operator gets the 800 emergency number calls during regular working hours. During non-office hours, 5PM-8AM on working days and 24/7 during weekends and holidays, the 800 call automatically dials into the LaSalle plant over the radio.

**You must answer the CHEMTREC© or any other emergency calls immediately.**

Note: During work hours, please call the cell phone first for emergency calls. First, call the first person in the list at the cell number and if the person is not available, please leave a message about your attempt to reach that person. If the first person in the list is not available, then go down the list, again at the cell number. During off-hours please call the home number first before trying the cell number.

<table>
<thead>
<tr>
<th>Name</th>
<th>Work Number</th>
<th>Evenings / Weekends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chithambarathanu Pillai</td>
<td>(815) 228-0262 (Cell)</td>
<td>(815) 224-2209 (home)</td>
</tr>
<tr>
<td></td>
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SEALED QUOTE

Bidder: American Water Chemicals, Inc.
Title: Corrosion/Scale Inhibitor For Utiliti Water Plants
Quote No. Q-120334
Opening Date: June 26, 2012
Opening Time: 2:30 p.m.

American Water Chemicals Inc