1. IDENTIFICATION
Product: PN 601116.901
Product Use: For laboratory use only.
MSDS #: 901520.001
Date: Rev A, November 5, 2015

2. HAZARDS IDENTIFICATION:
Not classified as hazardous per GHS and OSHA. Not dangerous according to the criteria set by the European Union (EU). The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. Contains no known or potential carcinogens in excess of 0.1% of the composition nor any other hazardous chemical in excess of 1% of the composition.

The small quantities and concentrations supplied in our products are unlikely to cause severe or immediate health effects. May cause mild irritation. Use only as directed and in accordance with safe laboratory practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>CHEMICAL INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
<th>% by Weight</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>EU IOELV</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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</tbody>
</table>

Notes: Product is provided in three 3 ml bottles (contain < 0.005% hydrochloric acid (HCl) in > 99.99% water or 1mM HCl), for use only with the TAI Nano ITC instrument.

4. FIRST AID MEASURES:
Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

5. FIRE-FIGHTING MEASURES:
Flammable Properties: Not flammable.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: None.
Special Fire Fighting Procedures: None.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Due to small quantities involved, spills or leaks should not pose a significant problem. Absorb liquid with spill pillow or other absorbent. Place wastes into closed containers for proper disposal.

7. HANDLING AND STORAGE: Handle as directed and in accordance with safe laboratory practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:
Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed.
Eye Protection: Safety glasses with side protection or splash goggles.
Skin Protection: Disposable nitrile gloves.
Engineering Controls: No special precautions. Use general or other local exhaust ventilation.
9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear liquid
Physical State: Liquid  Flash Point: NA  Vapor Pressure: NA
Odor: NA  Explosion Limits: NA  Vapor Density (air=1): NA
pH: ~3  Boiling Point: NA  Solubility in Water: Soluble
Specific Gravity: NA  Melting Point: NA  Other: NA

10. STABILITY AND REACTIVITY:
Hazardous Polymerization: ☒Will Not Occur  ☐May Occur
Stability: Stable

<table>
<thead>
<tr>
<th>Hazardous Decomposition/Combustion Products:</th>
<th>Conditions &amp; Materials to Avoid:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
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</table>

11. TOXICOLOGICAL INFORMATION:
Primary Route(s) of Exposure under Normal Use: Skin contact.

Target Organ(s): NA

Acute Effects: May be irritating to skin and eyes.
   HCL at full strength: Acute oral toxicity (LD50): 900 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 1108 ppm, 1 hours [Mouse]. Acute toxicity of the vapor (LC50): 3124 ppm, 1 hours [Rat].

Chronic Effects: NA

Other Information: Chemical Component(s) not classified as carcinogen(s) by OSHA, IARC (Group 1/2), NTP (Group 1/2), or ACGIH (Group A1/A2). This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

12. ECOLOGICAL INFORMATION: This product is not expected to be harmful to the environment.

13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.


<table>
<thead>
<tr>
<th>IATA/ICAO:</th>
<th>Shipping Name: NA</th>
</tr>
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<tbody>
<tr>
<td>Hazard Class: NA</td>
<td></td>
</tr>
<tr>
<td>UN/NA #: NA</td>
<td></td>
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<tr>
<td>Packing Group #: NA</td>
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</table>

| IMDG: NA |
| ADR: NA |

15. REGULATORY INFORMATION:

| U.S. TOSCA: Constituents listed. |

Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.

16. OTHER INFORMATION:

<table>
<thead>
<tr>
<th>National Fire Protection Association Rating</th>
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<tbody>
<tr>
<td>U.S. EPA</td>
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<tr>
<td>4=Severe Hazard</td>
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<tr>
<td>HEALTH</td>
</tr>
<tr>
<td>NA</td>
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</tbody>
</table>

Notes, abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EC: European Commission
EU IOELV: European Union Indicative Occupational Exposure Limit Values
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
OSHA: Occupational Safety and Health Administration

For laboratory use only. Not for drug, household or other uses.

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user’s responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.

901520.001_November 5, 2015