SECTION 1. Product and Company Identification

Product Name and Synonym:  Citric Acid 1.0 Molar Solution

Product Code: 1866

Material Uses:
Aqua Solutions, Inc
6913 Hwy 225
Deer Park, TX  77536
(281) 479-2569

Manufacturer:

Entry Date : 7/8/2013
Print Date: 7/8/2013

24 Hour Emergency Assistance :
Chemtrec 800-424-9300
Canutec  613-996-6666

SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SECTION 3 MIXTURE COMPONENTS

<table>
<thead>
<tr>
<th>SARA 313</th>
<th>Component</th>
<th>CAS Number</th>
<th>Percent Comp.</th>
<th>Dimension</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Citric Acid Monohydrate</td>
<td>CAS# 5949-29-1</td>
<td>21%</td>
<td>W/V</td>
<td>OSHA PEL 5 mg/m³ (respirable dust) (as anhyd.)</td>
<td></td>
</tr>
<tr>
<td>□ Water, Deionized ASTM Type II</td>
<td>CAS# 7732-18-5</td>
<td>Balance</td>
<td>V/V</td>
<td>None Established</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Citric Acid 1.0 Molar Solution

Fire / Explosion Hazards: releases acrid fumes in a fire

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material. Flush excess down drain.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation
- Local Exhaust ✔
- Mechanical ☐
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point: Information not available
Boiling Point: Information not available
Vapor Pressure: Information not available
Vapor Density: Information not available
Solubility in Water: Soluble
Appearance /Odors: Clear to pale yellow liquid, tart taste and odor
Flash Point: not flammable
Specific Gravity: not available
Percent Volatile by Volume: 79%
Evaporation Rate: not available
Evaporation Standard
Auto Ignition Temp: Not applicable
Lower Flamm. Limit in Air: Not applicable
Upper Flamm. Limit in Air: Not applicable

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Temperature extremes, incompatibilities
Materials to Avoid: Exposure to flames, moisture, oxidizers, metal nitrate
Hazardous Decomposition Products: releases acrid smoke and fumes in fire
Hazardous polymerization: Will Not Occur
Citric Acid 1.0 Molar Solution

Conditions to Avoid: None known

| SECTION 11 | Toxicological Information |
| SECTION 12 | Ecological Information |
| SECTION 13 | Disposal Considerations |
| SECTION 14 | Transport Information |

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

| SECTION 15 | Regulatory Information |
| SECTION 16 | Additional Information |

May be irritating to eyes skin and respiratory tract. Conditions aggravated/target organs: Persons with pre-existing eye, skin, or respiratory conditions may be more susceptible.

Flammability

### NFPA

| Revisions | 0.1 |

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.