Rockwell Medical SDS
CitraPure® Liquid Acid Concentrate L4, L3 and L5 Series

Section 1. Product and Company Identification

Product Name: CitraPure® Liquid Concentrate L4, L3 and L5 Series
Liquid Acid Concentrate for Hemodialysis
45X, 36.83X and 35X Dilution

Company Identification: Rockwell Medical
30142 Wixom Rd
Wixom, MI 48393
800-449-3353
248-960-9009

Section 2. Hazards Identification

Appearance: Clear
Physical State: Liquid
Odor: None
Hazards of Product: Corrosive

Potential Health Hazards
Symptoms of Exposure: No Information Available
Medical Condition Aggravated by Exposure: None Identified
Routes of Entry: Inhalation, Ingestion
Flammability Classification: Noncombustible

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Approx. W/V%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75 – 80</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>17 – 26</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>7447-40-7</td>
<td>0 – 1.3</td>
</tr>
<tr>
<td>Calcium Chloride</td>
<td>10043-52-4</td>
<td>0 – 1.0</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>7786-30-3</td>
<td>0.2 – 0.6</td>
</tr>
<tr>
<td>Dextrose</td>
<td>50-99-7</td>
<td>0 – 10.0</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>0.6 – 0.7</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

Eyes: Flush with plenty of water for a minimum of 15 minutes while holding the eyelids open. Seek medical attention.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists

Ingestion: If swallowed, do not induce vomiting. Drink a glass of water or milk and call a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air.
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**Section 5. Fire Fighting Measures**

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashpoint:</td>
<td>Not Combustible</td>
</tr>
<tr>
<td>Fire-Fighting Instructions:</td>
<td>Not Combustible</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards:</td>
<td>None Known</td>
</tr>
</tbody>
</table>

**Section 6. Accidental Release Measures**

Spills: Flush area with water. Wear appropriate protective clothing and equipment during clean up. Dispose of in accordance with Local, State and Federal regulations.

**Section 7. Handling and Storage**

Smoking, eating or drinking in work areas is not recommended. Store in a manner to avoid mix-up or exposure to contaminants. Do not use if the container is breached or damaged.

**Section 8. Exposure Controls/Personal Protection**

- **Eyewear:** ANSI approved safety glasses or goggles.
- **Gloves:** Protective gloves should be worn.
- **Clothing:** A protective apron should be worn when splashes are likely. Rubber boots should be used for spill response.

**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Clear</td>
</tr>
<tr>
<td>pH:</td>
<td>1.1 – 1.7</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Complete</td>
</tr>
<tr>
<td>Odor:</td>
<td>None</td>
</tr>
</tbody>
</table>

**Section 10. Stability and Reactivity**

- **Stability:** Stable
- **Conditions to Avoid:** None known
- **Incompatible Materials:** Bases and corrosive to metals
- **Hazardous Polymerization:** Not applicable

**Section 11. Toxicological Information**

Toxicological data is not applicable. The material is not a known or potential carcinogen.
Section 12. Ecological

Environmental impact data is not applicable.

Section 13. Disposal Consideration

Refer to Section 8 (Exposure Controls/Personal Protection). Refer to local and state guidelines for proper disposal of unused product. Disposal in storm drains is discouraged.

Section 14. Transport Information

Not applicable.

Section 15. Regulatory Status

Status: Not regulated
D.O.T. Hazard Class: None
OSHA: Not hazardous under 29 CFR 1910.1200
SARA Title III: Section 302 Extremely Hazardous Substance List: Not Listed
Section 313 Toxic Chemical: Not Listed

Section 16. Other Information

HMIS Ratings:

Flammability: 0
Health: 0
Reactivity: 0
PPE: B