MSDS: Liquid Acid Concentrate, MedicaPure®

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Hemodialysis Liquid Acid Concentrate
AC Series - MedicaPure®

Company Identification: Dialysis Medical Solutions, LLC
509 Fishing Creek Rd.
Lewisberry, PA 17339
717-938-8391

Emergency Number: CHEMTREC 1-800-424-9300

SECTION 2: HAZARDOUS INGREDIENTS

Hazardous Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Approx. W/V%</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid</td>
<td>64-19-7</td>
<td>0.8-1.10</td>
<td>10</td>
</tr>
</tbody>
</table>

Non-Hazardous Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Approx. W/V%</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>7447-40-7</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Calcium Chloride</td>
<td>10043-52-4</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>7786-30-3</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Dextrose</td>
<td>50-99-7</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

The % by weight is specific to the AC product.
NE: None Established

SECTION 3: PHYSICAL DATA

Physical State: Liquid
Appearance: Clear
pH (as a concentrate): 1.8-3
Solubility in Water (By Weight): Complete
Odor: Vinegar like
Molecular Weight: NE
Boiling Point: NE
Freezing Point: NE
Specific Gravity (H2O = 1): 1.2
Vapor Pressure at 20 C: NE
Evaporation Rate: NE
Melting Point: NE

SECTION 4: FIRE AND EXPLOSION DATA

Flashpoint: N/A
Flammable Limits: N/A
Fire-Fighting Instructions: N/A
Extinguish Media: N/A
Unusual Fire and Explosion Hazards: Does not support combustion

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None Known
Incompatible Materials: Bases and corrosive to metals.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Exposure Limits: No chemical specific exposure limits available.
Toxicity Data: See effects of overexposure.
Carcinogenicity:
NTP: No
IARC: No
OSHA Regulated: No

Effects of Overexposure: Skin contact may cause irritation.
Acute: Eye contact may cause tearing and irritation.
May result in hypotension, hypertension or tachycardia. Call a physician if ingested.
Inhalation is not an expected route of exposure. May cause pulmonary irritation.
Chronic: None expected.

Medical Conditions Generally Aggravated by Exposure: None expected.

SECTION 7: PREVENTIVE MEASURES

Ventilation Requirements: Normal building ventilation.

Personal Protective Equipment:
Respiratory: Not normally required.
Eye: Safety glasses.
Gloves: Rubber gloves.
Clothing: Wear suitable clothing to prevent repeated or prolonged skin contact.
SECTION 8: 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.

SECTION 9: PREPARATION INFORMATION

Preparation Date: 07/14/11

Prepared by: Tracy Reckner
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Lewisberry, PA 17339

Telephone: 717-938-8391