

# MSDS: Liquid Acid Concentrate, CitraPure® L4, L3 and L5 Series

## Section 1. Product and Company Identification

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Product Name: Hemodialysis Liquid Acid Concentrate  
CitraPure® Liquid Concentrate - Citrate L4-Series, L3-Series and L5-Series

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

## Section 2. Composition/Information on Ingredients

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

## Section 3. Hazards Identification

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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 4. First Aid Measures

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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 5. Fire Fighting Measures

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Flashpoint: Not Combustible  
Fire-Fighting Instructions: Not Combustible  
Unusual Fire and Explosion Hazards: None Known

## Section 6. Accidental Release Measures

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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. Personal Protection

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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 8. Physical and Chemical Properties

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Physical state: Liquid  
Appearance: Clear  
pH: 1.1 – 1.7  
Solubility in Water: Complete  
Odor: None

## Section 9. Reactivity

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

## Section 10. Regulatory Status

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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  
RCRA: Not a hazardous material by listing or characteristic

## Section 11. Other Information

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HMIS Ratings:

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