

# MSDS: Liquid Acid Concentrate, RenalPure® C, R and F-Series

## Section 1. Product and Company Identification

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Product Name: Hemodialysis Liquid Acid Concentrate  
RenalPure® C-Series, R-Series and F- Series

Company Identification: Rockwell Medical Technologies, Inc  
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
Potassium Chloride	7447-40-7	0 – 0.5
Calcium Chloride	10043-52-4	0 – 0.5
Magnesium Chloride	7786-30-3	0.1
Dextrose	50-99-7	0 – 7
Acetic Acid	64-19-7	0.8

## Section 3. Hazards Identification

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Appearance: Clear  
Physical State: Liquid  
Odor: Vinegar  
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  
OSHA: Permissible Exposure Limit (PEL) for General Industry: 29 CFR 1910.1000 Z-1 Table-10 ppm, 25 mg/m<sup>3</sup>, 8hrs.

## 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: 1.9-2.2  
Solubility in Water: Complete  
Odor: Vinegar like  
Specific Gravity: 1.2

## **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

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