



Chief Medical Supplies Ltd.
411 – 19 Street, S. E.
Calgary, AB., Canada.
T2E 6J7
1.866.620.6034

Safety Data Sheet Citrasate Concentrate

Document No. M-D6-004

Section I – Product and Company Identification

Product Name: CITRASATE CONCENTRATE

Synonyms: Dialysate concentrate for bicarbonate dialysis

Chemicals present: See components below

Chemical Families: Inorganic salts, sugar and organic acid

Company Identification:

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For information, call:

1-403-207-6034

Emergency Number:

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Section II – Hazards Identification

Appearance: Clear and Colorless

Physical State: Liquid

Odor: No Odor

Hazards of Product: Corrosive

Potential Health Hazards: May irritate eyes, nose and throat. May be harmful if swallowed.

Section III – Composition/Information on Ingredients

Ingredient Name	Chemical Formula	CAS No.	% by weight
Sodium Chloride	NaCl	7647-14-5	78.8*
Potassium Chloride	KCl	7447-40-7	0.00*
Calcium Chloride	CaCl	10043-52-4	1.8*
Magnesium Chloride	MgCl	7786-30-3	0.6*
Dextrose	C ₆ H ₁₂ O ₆	50-99-7	14.8*
Citric Acid	C ₆ H ₈ O ₇	00077-92-9	2.1*
Sodium Acetate	NaC ₂ H ₃ O ₂ ·3H ₂ O	06131-90-4	0.3*

* Potassium Chloride will vary by formula from 0.0% to 3.9%. Calcium Chloride will vary by formula from 1.8% to 2.2%,

Section IV – First Aid Measures

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

Eye Contact: Flush with plenty of water for a minimum of 15 minutes while holding the eyelids open.

Seek medical attention.

Inhalation: May irritate the nose, throat and upper respiratory tract. Symptoms may include sneezing, sore throat or running nose. If inhaled, move to fresh air.

Ingestion: Swallowing may cause burns of the mouth, throat and stomach. Symptoms may include gastrointestinal irritation, nausea and vomiting. If ingested, rinse mouth with water and drink large amounts of water. Do not attempt to induce vomiting.

Section V – Fire Fighting Measures

Conditions of flammability: Not flammable

Means of extinction: Not flammable

Flash point and method of determination: Not flammable

Upper flammable limit: Not available

Lower flammable limit: Not available

Auto-ignition temperature: Not available

Hazardous combustion products: High dust concentration (of the Dextrose) may ignite in the presence of an ignition source.

Explosion data - sensitivity to mechanical impact: Not available

Explosion data - sensitivity to static discharge: Not available

Section VI – Accidental Release Measures

Spills: Put on eye protection, protective gloves, boots, clothing and a respirator if air contamination is above the permitted levels. Contain the spill. If allowed by federal, provincial or local regulatory authorities, flush the spill to the sewer. If mops, towels, paper towels or similar materials are used, ensure that these items are thoroughly rinsed with copious amounts of water. Do not reuse the liquid material.

Section VII – Handling and Storage

Handling Procedures: Store in a cool, dry, well-ventilated area between 15-30°C. Store in tightly closed containers. Store unused product in original closed container. Once the product has been removed, do not return to the original container.

Storage Requirements: Store below 25°C; do not freeze.

Section VIII – Exposure Controls/Personal Protection

Engineering Controls: Use adequate general or local exhaust ventilation. If air contamination is above the permitted levels, use an approved respirator.

Personal Protection

Eye ware: Safety glasses or goggles are recommended. A face shield should be worn when splashes are likely.

Gloves: Protective gloves

Clothing: Not necessary, but skin contact should be avoided. A protective apron should be worn when splashes are likely. Rubber boots should be used for spill response.

Section IX – Physical and Chemical Properties

Physical state: Liquid

Odour and appearance: Clear and Colorless

Specific gravity: 1.2

Boiling point: 1413°C

Freezing point: 146°C (For Dextrose)

pH:1.4 – 2.1

Section X – Stability and Reactivity

Stability: Stable

Conditions to avoid: Excessive dusting in presence of ignition source

Incompatible materials: Lithium metal, Bromine trifluoride, strong oxidizers, sulfuric acid, strong bases

Conditions of reactivity: Not available

Hazardous decomposition products: Chlorine, CO, CO₂

Hazardous polymerization: Will not occur

Section XI – Toxicological Information

Route of entry: Skin and eye contact. Ingestion.

Effects of chronic exposure: None expected

Exposure limits: Not available

Irritancy of product: See acute exposure due to contact.

Sensitization to product: None expected

Carcinogenicity: None

Reproductive toxicity: None

Teratogenicity: None

Mutagenicity: None

Toxicologically synergistic products: Not available

Section XII – Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found

Section XIII – Disposal Considerations

Waste disposal: Dispose in accordance with all Local, State and Federal regulations.

Section XIV – Transport Information

Special shipping information: Keep warm if shipping in cold conditions.

Transport of Dangerous Goods (TDG): None

Department of Transportation (DOT): None

International Maritime Dangerous Goods (IMO): None

International Civil Aviation Organization (ICAO): None

Section XV – Regulatory Information

WHIMIS classification: None

OSHA: Not hazardous

Section XVI – Other information

SDS creation date: March 30, 2011

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***This product has been classified in accordance with the hazard criteria of the CPR
and the SDS contains all of the information required by the CPR***