



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

Safety Data Sheet Acid Concentrate

Document No. M-D6-003

Section I – Product and Company Identification

Product Name: ACID CONCENTRATE

Synonyms: Dialysate concentrate for bicarbonate dialysis

Chemicals present: See components below

Chemical Families: Inorganic salts, sugar and acetic 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

Physical State: Liquid

Odor: Vinegar

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	88.6*
Potassium Chloride	KCl	7447-40-7	1.5*
Calcium Chloride	CaCl	10043-52-4	1.1*
Magnesium Chloride	MgCl	7786-30-3	0.4*
Acetic Acid	C ₂ H ₄ O ₂	64-19-7	1.4*
Dextrose	C ₆ H ₁₂ O ₆	50-99-7	7.5*

*Sodium Chloride will vary by formula from 86.8% to 90.5%, Calcium Chloride will vary by formula from 0.5% to 1.7%, Potassium Chloride will vary by formula from 0.0% to 3.0%, Magnesium Chloride will vary by formula from 0.3% to 0.6%, Dextrose will vary by formula from 4.5% to 9.0% and Acetic Acid will vary by formula from 0.8% to 2.0%.

Section IV – First Aid Measures

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

Skin Contact: 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 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:	Not available
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: Handle with protective equipment listed in following section. Use good chemical handling procedures. Once the product has been removed, do not return to the original container.

Storage Requirements: Store in a cool, dry, well-ventilated area between 15-30°C. Store in tightly closed containers. Store unused product in original closed container.

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

Eyewear: Safety glasses or goggles recommended. Face shield if splashes are likely.

Gloves: Protective gloves are recommended to avoid skin contact.

Clothing: A protective apron should be worn when splashes are likely. Rubber boots should be used for spill response.

Respirator: None needed unless dust is present. Use a dust respirator mask if necessary.

Section IX – Physical and Chemical Properties

Physical state: Liquid

Odour and appearance: Clear with vinegar odour

Specific gravity: 1.2

Boiling point: 1413°C (for NaCl)

pH: 1.9 – 4.2

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: Not available

Hazardous polymerization: Will not occur

Section XI – Toxicological Information

Route of entry: Skin and eye contact. Ingestion.

Effects of acute exposure: Irritation of contact area. May cause vomiting, diarrhea, muscle cramps, listlessness, hypotension, and cardiac arrhythmias if ingested.

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: Jun 15, 2011

Last revision date: Jan 08, 2016

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Chief Medical Supplies be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Chief Medical Supplies has been advised of the possibility of such damages.

***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***