

Section I – Product and Company Identification

Product Name: CITRIC ACID 20%; CA20-4
Synonyms: 2-Hydroxy-1,2,3-Propanetricarboxylic Acid
Chemicals present: See components below
Recommended use: Professional use

Company Identification:
 Chief Medical Supplies Ltd.
 411 – 19 Street, S. E.
 Calgary, AB., Canada.
 T2E 6J7
 1.866.620.6034
For information, call: 1-403-207-6034
Emergency Number: 1-613-996-6666

Section II – Hazards Identification

Hazard classification:
 Eye Irritation (Category 2A)
Signal word:
 Warning
Symbol:



Hazard statement:
 H319 – Causes serious eye irritation.

Precautionary statement(s):
 P280 – Wear eye protection
 P302 + 352 – IF ON SKIN: Wash with plenty of water
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 – If eye irritation persists get medical advice/attention.

Other hazards which do not result in classification: No additional information available.

Label elements: Safety data sheet available on request

Section III – Composition/Information on Ingredients

Ingredient Name	Chemical Formula	CAS No.	% by weight
Citric Acid	C ₆ H ₈ O ₇	77-92-9	20%
Water	H ₂ O	7732-18-5	80%

Section IV – First Aid Measures

First-aid measures:

Skin Contact: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Symptoms and effects:

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause slight skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: Causes gastrointestinal irritation with nausea.

Immediate medical attention and special treatment:

Symptoms may not appear immediately. In case of accident or feeling of illness, seek medical advice immediately (show the label or SDS where possible).

Section V – Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Suitable extinguishing media:

Product is not flammable. Use appropriate media for adjacent fire. Use water spray, dry chemical to extinguish supporting fire. Cool unopened containers with water.

Unsuitable extinguishing media:

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Specific hazards arising from the hazardous product:

Emits toxic fumes (carbon oxides) under fire conditions (see Stability and Reactivity Section).

Hazardous combustion products:

Not known.

Special protective equipment and precautions for fire-fighters:

Wear self-contained breathing apparatus and suitable protective clothing for firefighting if necessary.

Section VI – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

General measures: Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Keep product out of drains, sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

Containment: Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flames.

Spills: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Spill may be carefully neutralized with lime (calcium oxide, CaO).

Section VII – Handling and Storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage (including incompatible materials): Store in tightly closed original container in a dry, cool and well ventilated place. Keep in original container.

Section VIII – Exposure Controls/Personal Protection

Control parameters:

Citric Acid 20%		
ACGIH (TLV)	NIOSH (REL)	OSHA (PEL)
N/A	N/A	N/A

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Contains no substances with occupational exposure limit values.

Individual protection measures (Personal Protection Equipment):

Eyewear: Protective goggles

Gloves: Protective gloves

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section IX – Physical and Chemical Properties

Physical state:	Liquid
Appearance:	Clear and colourless
Odour:	Odourless
Odour threshold:	No data available
pH:	1-2
Melting point/Freezing point:	No data available
Initial boiling point/boiling range:	No data available
Flash point:	Not flammable
Evaporation rate:	No data available
Flammability (solid; gas):	Not flammable
Lower flammable/explosive limit:	Not explosive
Upper flammable/explosive limit:	Not explosive
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.075 – 1.085
Solubility:	Soluble in water
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section X – Stability and Reactivity

Reactivity:	Nonreactive in normal condition.
Chemical stability:	Stable in normal condition.
Possibility of hazardous reactions:	None in normal condition.
Conditions to avoid:	Avoid high temperatures. Avoid incompatible materials.
Incompatible materials:	Strong acid and bases.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide.
Hazardous polymerization:	No data available.

Section XI – Toxicological Information

Route of exposure:

Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics:

Skin: Not expected to cause skin irritation.

Eyes: Causes serious irritation to the eyes.

Inhalation: Causes irritation to the respiratory tract.

Ingestion: May cause gastrointestinal discomfort.

Effects of chronic exposure:

None expected under normal conditions of use.

Acute toxicity:

Citric Acid 20%	
Skin	Not available
Eyes	Not available
Respiratory	Not available
Ingestion	Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Toxicologically synergistic products: Not available

Section XII – Ecological Information

Ecotoxicity: No additional information available.

Persistence and degradability: No additional information available.

Bioaccumulative potential: No additional information available.

Mobility in soil: No additional information available.

Other adverse effects: No additional information available.

Section XIII – Disposal Considerations

Waste disposal: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Section XIV – Transport Information

UN number: Not regulated.

UN proper shipping name: Not regulated.

Transport hazard class(es): Not regulated.

Packing group: Not regulated.

Environmental hazards: Not regulated.

Special shipping information: Not regulated.

Section XV – Regulatory Information

Section XVI – Other Information

SDS creation date: Jun 15, 2011

Last revision date: 2026-01-02

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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***