

## Material Safety Data Sheet

### 1. PRODUCT & COMPANY INFORMATION

<b>Product name</b>	Citric Acid
<b>INCI name</b>	Beta-hydroxy-tricarboxylic acid, 2-Hydroxy-1,2,3-propanetricarboxylic (continued) : acid
<b>Country of Origin</b>	China
<b>Product use</b>	Food/Cosmetic
<b>Supplier</b>	BOTANIC PLANET CANADA INC.
<b>Address</b>	2 Bram Crt Unit # 3 & 4 Brampton Ontario
<b>Telephone number</b>	905.455.4444
<b>Emergency phone number</b>	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	Not classified as dangerous goods.
<b>GHS Label elements &amp; precautionary statements</b>	Not applicable
<b>Hazard statement(s)</b>	Not applicable
<b>Precautionary statement(s)</b>	Not applicable

### 3. COMPOSITION / INFORMATION INGREDIENTS

<b>Product name</b>	Citric Acid
<b>CAS NO.</b>	77-92-9
<b>EC NO.</b>	201-069-1
<b>CONCENTRATION</b>	100%

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin Contact</b>	Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.
<b>Inhalation</b>	If inhaled, removed to fresh air. Get medical attention if symptoms appear.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Foam. Dry Powder. Carbon dioxide.
Special protective equipment and precautions for fire-fighters
Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog
Special hazards arising from the substance or its combustible products
Hazardous decomposition products may be formed at extreme heat or if burned.
Resulting gases
Carbon dioxide

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and procedures:
Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.
Environmental Precautions:
Non-hazardous, but avoid direct releases to the environment.
Containment Equipment and Procedures:
Non-hazardous, but avoid direct releases to the environment.
Clean-up Procedures:
Pick up with absorbent material and collect for disposal.

## 7. HANDLING AND STORAGE

Precautions for safe handling:
No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other Exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.
Conditions for safe storage, including any incompatibilities
Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep Container closed when not in use.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Eyes</b>	Use tightly sealed goggles.
<b>Skin</b>	If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.
<b>Respiratory</b>	In case of insufficient ventilation, wear suitable respiratory equipment or move in open air.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid crystalline powder

**Odor:** Odorless.

**Melting Point/Freezing Point:** 153 °C.

**Relative density:** 1.665 @ 20 °C

**Solubility:** Soluble in water.

**Auto-ignition temperature:** 345 °C

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	This material presents no significant reactivity hazard.
<b>Chemical stability</b>	The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after six months.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Avoid sparks, flame and other heat sources.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon Oxides.

#### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Not available.
<b>Carcinogenicity</b>	None of the components of this material are listed as a carcinogen.
<b>Inhalation</b>	Inhalation of high concentrations of vapour may result in irritation of eyes, nose and throat, headache, nausea, & dizziness.
<b>Skin contact</b>	Non toxic
<b>Eye contact</b>	Not available.
<b>Single exposure</b>	People allergic to the flower family may experience irritation.

#### 12. ECOLOGICAL INFORMATION

<b>Eco toxicity</b>
Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water

#### 13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local Municipal authority to ensure compliance.
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#### 14. TRANSPORT INFORMATION

<b>US DOT Shipping Description (Land)</b>	Not regulated.
<b>IMO-IMDG Shipping Description (Sea)</b>	Not regulated.
<b>IATA Shipping Description (Air)</b>	Not regulated.

#### 15. REGULATORY INFORMATION

None
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#### 16. OTHER INFORMATION

Date Created December 31 <sup>st</sup> , 2021
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#### Disclaimer & Caution

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## COA

**Product Name:** Citric Acid  
**Lot No.** CAUPS122021  
**Expiry Date:** December 2024  
**Origin:** China

<b>Properties</b>	<b>Specifications</b>	<b>Results</b>
Appearance	: Colorless crystals or a white, crystalline powder	Complies
Odor	: Typical, practically odorless.	Complies
Solubility	: Very soluble in water. Freely soluble in 96% ethanol. Sparingly soluble in ether.	Complies
Assay	: 99.70 - 100.30 %	100.2
Water	: < 0.50 %	0.08
Calcium	: ≤ 30 ppm	Complies
Fe <sub>2</sub> O <sub>3</sub>	: ≤ 3 ppm	Complies
Arsenic	: ≤ 1 ppm	Complies
Lead	: ≤ 0.5 ppm	Complies
Mercury	: ≤ 0.5 ppm	Complies
Chloride	: ≤ 5 ppm	Complies
Oxalic acid/oxalate	: ≤ 100 ppm	Complies
Sulphate	: < 100 ppm	Complies
Residue on Ignition	: ≤ 0.05 ppm	Complies
Sulphated ash	: ≤ 0.05 %	Complies

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