



Safety Data Sheet

Citric Acid

SECTION 1: Identification

1.1 Product identifier

Product name	Citric Acid
INCI Name	Citric Acid
Substance name	Citric acid
EC no.	201-069-1
CAS no.	77-92-9

1.3 Recommended use of the chemical and restrictions on use

Cosmetics

1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora, OH 44202 United States
email	sales@bulkapothecary.com

1.5 Emergency phone number(s)

1-800-633-8253

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Safety Data Sheet

Citric Acid

Hazard statement(s)

H319 Causes serious eye irritation

Precautionary statement(s)

P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	Citric acid
EC no.	201-069-1
CAS no.	77-92-9
Formula	C ₆ H ₈ O ₅
Molecular weight	192.14
Other names / synonyms	1,2,3-Propanetricarboxylic acid, 2-hydroxy-; Acidum citricum; Citric acid; Citric acid; 2-Hydroxy-1,2,3-propanetricarboxylic acid; Citric acid

Hazardous components

1. Citric acid

Concentration	100 % (weight)
EC no.	201-069-1
CAS no.	77-92-9

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label or this safety data sheet when possible
If inhaled	If breathed in, move person into fresh air and allow to rest. If not breathing, give artificial respiration.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with mild soap and water, followed by a warm water rinse. Consult a physician if needed.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention.

Safety Data Sheet

Citric Acid

Personal protective equipment for first-aid responders
None

4.2 Most important symptoms/effects, acute and delayed

Inhalation	May cause respiratory irritation
Skin Contact	Slight irritation
Eye Contact	Serious eye irritation
Ingestion	Nausea
Chronic Symptoms	Affection/discoloration of the teeth.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

None

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Foam, Dry powder, Carbon dioxide. Water spray, Sand.

5.2 Specific hazards arising from the chemical

Not flammable. Not an explosion hazard. No reactivity.

5.3 Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering environment. Wear proper protective gear and self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Non emergency personnel should evacuate the area. Emergency personnel and clean up crew should be equipped with proper protective gear. Ventilate the area.

6.2 Environmental precautions

Prevent entry to sewers and public waterways. Notify authorities should liquid enter sewers or public water sources.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal. Minimize generation of dust. Store away from other materials.

Reference to other sections

For exposure controls and personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Safety Data Sheet

Citric Acid

7.2 Conditions for safe storage, including any incompatibilities

Store in original container a well ventilated place. Keep container tightly closed when not in use. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear chemical goggles or safety glasses.

Skin protection

Wear protective gloves.

Body protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

Respiratory protection is not required in normal conditions.

Thermal hazards

No data available

Environmental exposure controls

Do not let product enter sewers or public water sources

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Crystalline
Odor	odorless
Odor threshold	No data available
pH	1.7 10% Solution
Melting point/freezing point	ca. 153C°
Initial boiling point and boiling range	175C°
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Does not ignite
Upper/lower flammability limits	Non Flammable

Safety Data Sheet

Citric Acid

Upper/lower explosive limits
Vapor pressure
Vapor density
Relative density
Solubility(ies)

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties
Oxidizing properties

Non Explosive
No data available
No data available
1.665 g/cm 20C°
Soluble in water ca. 800 g/l at 20C°. Soluble in ethanol.
Soluble in ether.
log Pow: -1.72. log Pow: -1.80 - -0.2
No data available
175C°
No data available
No data available
None

Other safety information

No additional information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None if stored and applied as directed

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Avoid dust formation

10.5 Incompatible materials

Oxidizing agents, Strong Bases, Strong Acids

10.6 Hazardous decomposition products

May produce fumes, carbon monoxide, and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

May cause slight skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Germ cell mutagenicity

No mutagenic effects.

Safety Data Sheet

Citric Acid

Carcinogenicity

No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, NTP, ACGIH, or OSHA.

Reproductive toxicity

No toxicity to reproduction.

SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product

Results of PBT and vPvB assessment

No data available on product

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. facilities exist. Where possible, recycling is preferred.

Disposal of contaminated packaging

Dispose of as unused product. Empty containers should be taken to an approved waste handling facility for recycling or disposal.

Waste treatment

Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

Safety Data Sheet

Citric Acid

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

No SARA hazards.

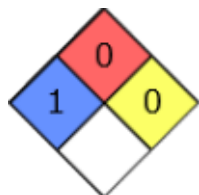
California Prop. 65 Components

This product does not contain any substances known to the state of California to cause cancer.

HMIS Rating

Citric acid	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

SDS Version: 1.1

Revision Date: 12/20/2018

16.1 Further information/disclaimer

DISCLAIMER: 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 investigation to determine the suitability of information for their particular purposes. In no event shall Bulk Apothecary 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, whatsoever arising, even if Bulk Apothecary has been advised of the possibility of such damages.