



Dominion Veterinary Laboratories Limited
Quality Animal Health Pharmaceuticals - Dedicated Service Since
1950
1199 Sanford Street - Winnipeg, Manitoba R3E 3A1
Telephone: (204) 589.7361 / 589.7362 - Fax: (204) 943.9612
Toll Free: 1.800.465.7122 - www.domvet.com

Safety Data Sheet

CITRIC ACID

Date: November 15, 2021

1: Identification

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Citric Acid

Recommended use of the chemical and restrictions on use

: For use as an additive in animal feed mixes.
Identified uses : Not for human consumption.

Product Code: 00P-CITR3

D.I.N.: N/A

Supplier: Shelbri Chemical Sales (Division of)
Dominion Veterinary Labs LTD.
1199 Sanford St.
Winnipeg, Manitoba
R3E 3A1
Telephone: (204)-586-3484
Fax: (204)-943-9612

Emergency telephone number :

Local Emergency Contact : During Office hours Monday-Friday, 9:00 am - 4:30 pm (CST) : 1-204-589-7361,
800-465-7122.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Eye irritation (Category 2A), H319

For the full text of the H-Statements mentioned in this Section, see Section 16

GHS label elements

Pictograms





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Signal word: **Warning**

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements: **Prevention:**

P264 Wash skin 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.

Other hazards None known.

SECTION 3: Composition / information on ingredients

Substances

Formula	:	C6H8O7
Molecular weight	:	192.12 g/mol
CAS-No.	:	77-92-9
EC-No.	:	201-069-1

Hazardous components

Component	Classification	Concentration*
Citric acid		
	Eye Irrit. 2A; H319	99.5 - 100 %
* Weight percent		

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

Description of first aid measures

General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are related to serious eye damage potential.



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Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for surrounding fire.

Unsuitable extinguishing media

Not applicable.

Special hazards arising from the substance or mixture No data available

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Citric acid is not flammable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store away from heat and moisture.

Storage class (TRGS 510): 13: Non Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection



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Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Form: crystalline Colour: white
Odour	No data available
Odour Threshold	No data available
pH	1.8 at ca.50 g/l at 25 °C (77 °F)
Melting point/freezing point	Melting point/range: 153 - 159 °C (307 - 318 °F) - lit.
Initial boiling point and Boiling range	310 °C (590 °F; 583 K)
Flash point	155 °C (311 °F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	8% (lower)
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	383 g/l at 25 °C (77 °F)



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Partition coefficient:

n- octanol/water log Pow: -1.639 at 20 °C (68 °F)

Auto-ignition

temperature 345 °C (653 °F)

Decomposition

temperature 175 °C (347 °F)

Viscosity

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

Reacts with alkaline materials.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

Avoid conditions of heat and moisture.

Incompatible materials

Oxidizing agents, Bases, Reducing agents, Nitrates

Hazardous decomposition products

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Carbon oxides In the event of fire: see section 5

SECTION 11 : Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 5,400 mg/kg
(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rat - > 2,000 mg/kg
(OECD Test Guideline 402)

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h
(OECD Test Guideline 404)



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Serious eye damage/eye irritation

Eyes - Rabbit

Result: Irritating to eyes.

(OECD Test Guideline 405)

Respiratory or skin sensitisation

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: Not listed as a carcinogen.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: GE7350000

Vomiting, Diarrhoea, Damage to tooth enamel, Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

SECTION 12: Ecological information

Toxicity

Toxicity to fish mortality LC50 - Leuciscus idus melanotus - 440 mg/l - 48 h
(OECD Test Guideline 203)

Toxicity to daphnia and static test - Daphnia magna (Water flea) - 1,535 mg/l - 24 h other aquatic
invertebrates

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product



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SECTION 14: Transport information

DOT (Department of Transportation)

Not dangerous goods

IMDG

Not dangerous goods

IATA (International Air Transport Association):

Not dangerous goods

SECTION 15: Regulatory information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

SECTION 16: Other information

The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without obligation on our part and the Company accepts no liability to any customers, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential, which may be caused by an error or emission from this sheet even if negligence or otherwise.

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Carol Lamirande/Office Manager