



Safety Data Sheet

(Citric Acid)

DATE PREPARED: 6/4/2012

REVISION NUMBER: 6/4/2012

Section 1 – Company Information

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

(914) 654-6800 ☎ **(914) 654-6899**

parchem.com 🌐 **info@parchem.com** ✉

EMERGENCY RESPONSE NUMBER:

CHEMTEL - Parchem CCN# M1S0007152

Toll Free US & Canada: (800)255-3924

All other Origins: (813) 248-0585

Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Citric Acid

CAS NUMBER 77-92-9

FORMULA C₆H₈O₇

PRODUCT	CAS NUMBER	% BY WEIGHT
Citric Acid	77-92-9	100%

Section 3 – Hazards Identification

OSHA Hazards: Irritant

HMIS Classification

Health Hazard: 2

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Section 4 – First Aid Measures

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



Section 5 – Fire Fighting Measures

Flammable properties

Flash point: no data available

Ignition temperature: no data available

Suitable extinguishing media:

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

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environment precautions: Do not let product enter drains.

Method for cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 – Handling & Storage

Handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls & Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves.

Eye protection: Safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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



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Section 9 – Physical & Chemical Properties

Form: solid
pH: no data available
Melting point: 153-159 °C (307-318 °F)
Boiling point: no data available
Flash point: no data available
Ignition temperature: no data available
Lower explosion limit: 8% (V)
Water solubility: no data available

Section 10 – Stability & Reactivity Data

Storage and Stability: Stable under recommended storage conditions.
Materials to avoid: Oxidizing agents, Bases, Reducing agents, Nitrates
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 – Toxicological Information

Acute toxicity:
LD50 Oral - rat - 3,000 mg/kg

Irritation and corrosion:
Skin - rabbit - mild skin irritation - 24h
Eyes - rabbit - Severe eye irritation - 24h

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

Chronic exposure:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure: Vomiting, Diarrhea, Damage to tooth enamel, Derrnatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.



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Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Additional Information: RTECS: GE7350000

Section 12 – Ecological Information

Elimination information (persistence and degradability): no data available

Ecotoxicity effects:

Toxicity to fish: LC50 - *Leuciscus idus melanotus* - 440 mg/l - 48h

Further information on ecology: no data available

Section 13 – Disposal Consideration

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

Section 14 – Transportation Data

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15 – Regulatory Information

OSHA Hazards: Irritant

DSL Status: All components of this product are on the Canadian DSL list.

SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, section 302.

SARA 313 Components:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, section 313.

SARA 311/312 Hazards:

Acute Health Hazard

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

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New Jersey Right To Know Components:

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California Prop. 65 Components:



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This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16 – Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

