

CITRIC ACID ANHYDROUS MSDS (MATERIAL SAFETY DATA SHEET)

1. IDENTIFICATION OF THE PRODUCT

Product Name: CITRIC ACID ANHYDROUS

2. COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL NAME – Citric Acid
TRADE NAME Citric Acid anhydrous
CAS No – 77-92-9

Uses as a sour agent, buffering agent and antioxidant in the food industry;
a correctant in pharmaceutical industry; used in detergents,
buffering and chelating, sizing and a sa sequesstrant.

3. HAZARDS IDENTIFICATION

Potential Health Effects Potential Health Effects

Eye	Highly irritating; may also be abrasive
Skin	Causes irritation to skin. Symptoms include redness and itching
Ingestion	Causes irritation to the gastrointestinal tract
Inhalation	Causes irritation to the respiratory tract

Signs and symptoms of overexposure	Not known
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4. FIRST AID MEASURES

Eyes	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical assistance immediately.
Skin	No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin contact.
Ingestion	If vomiting, seek medical assistance immediately, but do not induce vomiting. Drink 1 or 2 glasses of water.
Inhalation	Move patient to fresh air

5. FIRE FIGHTING MEASURES

Extinguishing media	Water spray, dry chemical, alcohol foam, or carbon dioxide
Unsuitable Extinguishing Media	Use only extinguishing measures that are appropriate to local circumstances and surrounding environment
Firefighting procedures	Use water to cool fire. Avoid spreading liquid and fire by water flooding. Wear self-contained, positive pressure breathing apparatus and full firefighting clothing
Unusual fire/explosion hazard	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Sweep or vacuum up spillage and collect in suitable container for disposal clean, dry, closed container for disposal

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7. HANDLING AND STORAGE

Handling	Wash thoroughly after handling. Use only in a well-ventilated area. Do not breathe vapours/dust. Avoid contact with skin and eyes.
Storage	Keep container closed when not in use. Store in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal Protective Equipment

Eyes	Use chemical safety goggles.
Skin	Wear protective gloves and clean body-covering clothing. Wash hands after handling the product and before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity	1.665 @ 20°C
Refractive index	n/a
PH	2.2 (0.1 N sol)
Solubility in water	CA. 60g/100ml @ 20°C
Boiling Point	Decomposes before boiling
Appearance and odour	White, odourless, Solid, crystalline
Flash point (closed cup)	Not known

10. STABILITY AND REACTIVITY

Stability & Reactivity	Stable under normal conditions of use and storage
Conditions to Avoid	Heat, flames, ignition sources and incompatibles
Incompatibilities with Other Materials	Metal nitrites, alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminium and their alloys
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Based on the ingredients in this composition and their concentration, this product is according to the conventional method classified as:
Highly irritating to skin and eyes

12. ECOLOGICAL INFORMATION

This material is unlikely to accumulate in the environment and environmental problems under normal use conditions are not expected to occur.

13. DISPOSAL CONSIDERATION

Disposal to licensed waste disposal site in accordance with local waste disposal

14. TRANSPORT INFORMATION

Classification data:	n/a
UN Number:	n/a (Non-dangerous goods)
Class:	n/a
Packing group:	n/a

15. REGULATORY INFORMATION

15.1 National Legislation	Occupational Health and SAFETY Act, Act 85 of 1993
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Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.