



Acido cítrico - Hoja de Manejo Seguro de Productos (MSDS)

ACIDO CITRICO USP / BP / FCC / EP

1. Product Identification

Chemical Product name: Citric Acid

Trade Name: Citric Acid

2. Composition / Information about dangerous components

Substances / Preparation: Substances

Chemical Name: 2 Hydroxy Propane Tricarboxylic Acid

CAS Number: 77-92-9

EG number: 201-069-1

E-No.: E-330

3. Hazards Identification

Physical / Chemical Risks: None

Environmental Risks: None/biologically degradable

Health Risks: None known

4. First Aid Measures

Effects and Symptoms

After swallowing: Large quantities may cause nausea, vomiting, cramps, and produce acidic irritation of mouth and throat.

After inhalation: Coughing, sneezing and labored breathing.

After skin contact: Irritation

After eye contact: Irritation

General: Irritation. Some allergic reactions

First Aid Measures

After swallowing: Give 2-3 glasses of water or milk to drink Induce vomiting. Get medical attention.

Inhalation: Remove to fresh air. If not breathing, administer cardio-pulmonary resuscitation or artificial respiration. Get medical attention

Skin contact: Rinse with water and soap

Eye contact: Rinse with water. Get medical attention

5. Fire Fighting Measures

Extinguishing agents

Suitable: Not combustible. Use appropriate extinguishing media for material that is supplying fuel.

Unsuitable: -

Specific measures: -

Unusual fire/explosion risks: Acidic product.

Dangerous thermic decomposition and combustion products:

Protection of fire fighting crews: Protective clothes.

6. Accidental Release Measures

Personal protection measures: Protection of eyes.



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Environmental protection measures: Dike area to prevent run-off and contamination of water sources.
Cleaning methods: With mechanical means and/or flush with water.

7. Handling and Storage

Handling: No specific requirements.

Storage: Avoid humidity and high temperatures. Note that material is slightly hygroscopic.

Packing Measures

Suitable: Polyethylene-lined bags, drums, big bags, etc.

8. Exposure Control and Personal Protection

Technical Exposure control: -

Hygienic measures: Dust masks

Upper professional exposure limits

Chemical Name

"TLV" (USA): -

"MAK"(Germany): -

Personal protection measures

Breathing equipment: Dust masks

Skin and body: Clothes

Hands: Gloves

Eyes: Safety glasses

9. Physical and Chemical Properties

Appearance: Dry granulates

Colour: White

Smell: No unusual odour

Boiling \ Melting point: Solid

pH: (5% solution) - 1.8

Solubility in water: 162 gr./100 ml/ at 25° C

Vapor pressure (air = 1): Practically zero

Vapor density (air = 1): 6.8

Flash point: Not combustible

Ignition temperature: Not applicable

Lower explosion limit: -

Upper explosion limit: -

10. Stability and Reactivity

Stability: Stable

Circumstances to be avoided: -

Substances to be avoided: May react vigorously with strong and concentrated bases.

Dangerous decomposition products: Not known

11. Toxicological Information

Chemical Name:

Acute toxicity

Oral:



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Dermal:

Breathing wise:

Eye effects: Causes irritation

Skin effects: May cause irritation

Sensitivity:

Chronic Toxicity:

Carcinogenicity: None known

12. Ecological Information

Ecological details of substance are not available.

Chemical Name:

Ecotoxicity:

Exotoxicity:

13. Instructions for Disposal

Disposal methods:

14. Transport Information

UN Number:

Road & Rail Transport

ADR/RID Class:

ADR/RID Class:

Inland waterways

ADNR Class:

Sea transport

IMDG Page number:

Air Transport

IATA Class:

National transport laws:

15. Legally Required Information

Danger designation:

Safety phrases:

Risk phrases:

National Regulations:

16. Other Information

Warranty

This information herein given in good faith and to the best of our knowledge. Since we have no control over the use of the product, we make no warrantee or representation, expressed or implied, other than that it conforms to the chemical description on its label.