



FABPRO INC.

3000 E. Preston Street
Baltimore, Maryland 21213
Telephone (410) 325-5040

HAZARD RATING HMIS

Health = 0, Flammability= 0, Reactivity = 0
(Index 4=very high, 3=high, 2=moderate
1=slight, 0=insignificant)

Material Safety Data Sheet

I. General Information

| | |
|---|--|
| Trade Name & Synonym Citric Acid | Chemical Family organic acid |
| Chemical Name & Synonym β- Hydroxy Tricarboxylic Acid | Date prepared July 1995 |
| | Prepared by Aziz Ullah Ph.D. |

II. Ingredients

Citric Acid Anhydrous

III. Physical Properties

Boiling Point

NA

Specific Gravity (Water=1)

Approx. 1.0

Vapor Pressure (mm Hg.)

ND

Melting Point

ND

Vapor Density (AIR=1)

> 1

Evaporation Rate (Butyl Acetate=1)

NA

Solubility in Water

Complete

Appearance and odor

White free flowing powder

pH (Powder 1% solution,)

2.0-3.0

IV. Fire and Explosion Hazard Data

Flash Point (TOC)

None

Flammable Limits

NA

LEL

UEL

NA

Extinguishing Media

Foam, CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures

Usual fire fighting procedures can be used

Unusual Fire and Explosion Hazards

None known

V. Reactivity Data

Stability

Unstable

Conditions to avoid

Stable

X

Incompatibility (Materials to avoid)

Alkalis, High pH

Hazard Decomposition or Byproducts

When exposed to fire emits normal products of combustion

Hazardous

May occur

Conditions to avoid

Polymerization

Will not occur

X

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VI. Health Hazard Data

| Routes of Entry | Inhalation | Skin | Ingestion | Eyes |
|------------------------|-------------------|-------------|------------------|-------------|
| | No | No | No | Yes |

Health Hazards

May be irritating to eyes if contacted, this material generally regarded as safe

Signs and Symptoms of Exposure

May irritate eyes if contacted

Medical Conditions Aggravated by Exposure

None known

Emergency and First Aid Procedures

Flush thoroughly with water. If irritation persists see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water or sweep up and containerize (non-hazardous waste)

Waste Disposal Method

Non-hazardous waste. Check with Federal State or local regulations

Precautions to be taken in Handling and Storing

No special requirements

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

General room ventilation is adequate

| Ventilation | Local Exhaust | Special |
|-----------------------|----------------------|----------------|
| Not normally required | | |

| Mechanical | Other |
|-------------------|--------------|
| | |

Protective Gloves

Not normally required

Eye Protection

glasses suggested

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

Wash after handling Keep out of reach of children

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