

# SAFETY DATA SHEET

## CITRIC ACID (FINE)

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Citric Acid (Fine)

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,  
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

### 2. HAZARD IDENTIFICATION

#### Classification of the chemical

Skin Corrosion/Irritation 2 (H315)

Serious Eye Damage/Eye Irritation Category 2 (H319)

Specific Target Organ Toxicity -Single Exposure Category 3 (H335)

#### Label elements

#### Pictogram(s):



#### Signal word:

Warning.

#### Hazard statements:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

#### Precautionary statements:

Prevention Wash contacted area thoroughly after handling.

Wear protective gloves Wear eye protection/face protection.

Avoid breathing dust/fume/gas/mist/ vapors/spray.

Use only outdoors or in a well-ventilated area.

**Response If on skin:**

Wash with plenty of Water.

Take off contaminated clothing and wash it before reuse.

**If in eyes:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If eye irritation persists:**

Get medical advice/attention.

**If inhaled:**

Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

**Description of any hazards not otherwise classified No information available. Ingredient with unknown acute toxicity**

No data available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

INCI NAME	CAS NO.	CONCENTRATION (%)
Citric Acid	77-92-9	99 - 100

**4. FIRST AID MEASURES**

**Description of first aid measures**

**Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

Thoroughly clean shoes before reuse.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**Ingestion:** Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Most important symptoms/effects, acute and delayed**

Causes skin irritation. Causes serious eye irritation.

May cause respiratory irritation.

Immediate medical attention and special treatment

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Unsuitable extinguishing media: No information available.

**Special hazards arising from the chemical**

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Special protective equipment and precautions for fire-fighters**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Ventilate area of leak or spill. Remove all sources of ignition. Do not breathe in granules. Avoid contact with skin, eyes and clothing.

**Methods and materials for containment and cleaning up**

Seal leak. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Use only in well-ventilated areas. Keep container tightly closed. Do not use unlabelled containers. Avoid contact with skin and eyes. Do not breathe in granules.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

**Conditions for safe storage, including any incompatibilities**

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters**

**Component**

Citric Acid

**OSHA**

**PEL-TWA**

None established

**PEL-STEL**

None established

**NIOSH**

**REL-TWA**

None established

**REL-STEL**

None established

**Appropriate engineering controls**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personal protective equipment**

Respiratory protection: For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

**WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Hand protection:**

Wear appropriate gloves when handling.

**Eye/face protection:**

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin/body protection:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White granules
Odor	Odorless
Odor threshold	Not available
pH	2.2 (0.1 N sol)
Melting point/ freezing point	153°C (307°F)
Initial boiling point and boiling range	No boiling point is available due to substance decomposition.
Flash point	345°C
Evaporation rate	Not available
Flammability	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.665 @20°C/4°C
Solubility(ies)	Ca. 60 g/100 ml @ 20°C (Anhydrous)
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Volatiles by volume @ 21C (70F)	0

**10. STABILITY AND REACTIVITY**

**Reactivity**

Stable under recommended storage and handling conditions (see section 7, handling and storage).

**Chemical stability**

Stable under ordinary conditions of use and storage.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat, flames, ignition sources and incompatibles.

**Incompatible materials**

Metal nitrates (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys.

**Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION**

**Information on the likely routes of exposure**

**Inhalation:**

Irritating.

**Ingestion:**

Irritating.

**Skin contact:**

Irritating.

**Eye contact:**

Irritating.

**Information on toxicological characteristics**

**Acute toxicity:**

Oral: LD<sub>50</sub>=5400 mg/kg bw (mouse) Dermal: LD<sub>50</sub>> 2000 mg/kg bw(rat)

**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory sensitization:**

No data available.

**Skin sensitization:**

No data available.

**Carcinogenicity:**

Not classified

**Germ Cell Mutagenicity:**

No data available.

**Reproductive Toxicity:**

No data available.

**STOT-Single Exposure:**

May cause respiratory irritation.

**STOT-Repeated Exposure:**

No data available.

**Aspiration Hazard:**

No data available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No data available.

**Persistence and Degradability**

Based on best current information, there is no data known associated with this product.

**Bioaccumulative potential**

Based on best current information, there is no data known associated with this product.

**Mobility in soil**

Based on best current information, there is no data known associated with this product.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Safe handling and methods of disposal**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.

State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

#### 14. TRANSPORT INFORMATION

**Transport information**

**UN number**  
Not regulated

**UN Proper shipping name**  
Not regulated

**Transport hazard class(es)**  
Not regulated

**Packing group (if applicable)**  
Not regulated

**Marine pollutant (Yes/No)**  
Not regulated

**Transport in bulk**  
(according to Annex II of Not regulated MARPOL 73/78 and the IBC Code)

**Special precautions**  
Not regulated

#### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations specific for the product in question**

**CAS No.**  
77-92-9

**USA TSCA**  
Listed

**EU ELINES**  
Listed

**KOREA ECL**  
Listed

**CHINA IECSC**  
Listed

**CANADA DSL**  
Listed





**Remark: The above-mentioned search results are based on the Non-Confidential Inventory.**

## **16. OTHER INFORMATION**

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