



## **Citric Acid**

### **+ Lemon Essential Oil**

#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Citric Acid [Lemon]  
**Product Code(s):** CA-1  
**Other means of Identification:**  
**Recommended Use:** Powdered Cleaning Agent – Dishwasher Booster / General-Purpose Cleaner

**Manufacturer/Marketer:**

P.F. Harris Manufacturing Company, LLC  
P.O. Box 1922  
Cartersville, GA 30120  
Email: [info@pfharris.com](mailto:info@pfharris.com)  
[www.pfharris.com](http://www.pfharris.com)

**Customer Service:** 1-800-637-0317  
Monday-Friday, 9am – 5pm EST

**Emergency:**

National Poison Control: 1-800-222-1222  
24-hour Emergency Telephone: 1-800-255-3924

#### **SECTION 2. HAZARDS IDENTIFICATION**

**OSHA Regulatory Status:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**HAZARDS CLASSIFICATION:**

Eye Irritation – Subcategory 2A

**SIGNAL WORD:** **WARNING**

**GHS HAZARD PICTOGRAMS:**

**Hazard Statements:** Causes serious eye irritation. May cause skin irritation. May cause respiratory tract irritation. May be harmful if swallowed.

**Precautionary Statements:** Wash hands thoroughly after handling. Wear protective gloves and eye protection. Take off contaminated clothing and wash before reuse. Do not eat, drink, or smoke when using this product.

**Acute/Potential Health Effects:**

**EYES:** Contact causes eye irritation. Dusts may cause mechanical irritation, tearing, and blurred vision.

**SKIN:** May cause mild skin irritation. May cause skin sensitization in sensitive individuals with prolonged use or contact with skin.

**INHALATION:** Overexposure by inhalation of dusts may cause irritation to upper respiratory tract and mucous membranes.

**INGESTION:** May be irritating to the digestive tract: may cause gastric distress.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Chemical Name	CAS Number	WT %
Citric Acid	77-92-9	>99
Lemon Essential Oil	Proprietary	<1

### SECTION 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** Rinse skin with plenty of water. If irritation develops, get medical attention.

**INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** Immediately rinse mouth and drink plenty of water. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

### SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SPECIFIC HAZARDS:** May emit toxic fumes under fire conditions. (Carbon oxides)

**SPECIAL PROTECTIVE EQUIPMENT:** Safety glasses, gloves

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain and recover material when possible. Sweep or vacuum up and collect in suitable containers for recovery or disposal. Use personal protective equipment if necessary. Do not flush to storm sewer or waterways.

### SECTION 7. HANDLING AND STORAGE

**HANDLING:** Use this product only in a manner consistent with its labeling. Avoid contact with eyes and skin. Avoid generation of dusts. Very fine particles could cause a fire or explosion. Wash thoroughly after handling.

**STORAGE:** Store only in original container, in a dry place inaccessible to children and pets. Emptied containers may retain product residues. Protect from humidity and water. Keep away from incompatible materials.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE GUIDELINES		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Total Dust [or Particulates Not Otherwise Classified]			15 [total dust], 5 [respirable dusts]		10		

**ENGINEERING CONTROLS:** No special controls indicated.

**Eye Protection:** Not normally required. Recommended: safety glasses

**Skin Protection:** Not normally required. Recommended: protective gloves

**Respiratory Protection:** No special protection required. Adequate ventilation if dust is present.

When using do not eat, drink, or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Powder

**Appearance and Odor:** White free flowing (granular), Lemon scent

**Melting Point:** 153°C

(307°F)

**Flash Point:** 100°C (212°F)

**Flammability:** Flammable

when heated above flash point.

**Decomposition temperature:** 175°C

**Specific Gravity (Water=1):** 1.665 g/cm<sup>3</sup>

**Solubility:** soluble in water

**SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid dust generation. Avoid extreme heat.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Incompatible Materials:** Reducing agents, metal hydrides, oxidizers, bases.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Citric Acid	77-92-9	LD50 (oral, rat): 5,400 mg/kg LD50 (dermal, rat): >2,000 mg/kg
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**Eye contact:** Contact causes eye irritation. Dusts may cause mechanical irritation, tearing, and blurred vision.

**Skin contact:** Contact may cause skin irritation.

**Inhalation:** Dust particulates may cause mechanical irritation to upper respiratory tract and mucous membranes. Existing medical conditions (e.g., Asthma, bronchitis) may be aggravated by overexposure to dusts.

**Ingestion:** May be harmful if swallowed in large quantities.

**Chronic effects:** Existing medical conditions (e.g., Asthma, bronchitis) may be aggravated by prolonged overexposure to dusts.

**Carcinogenicity:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

## SECTION 12. ECOLOGICAL INFORMATION

**Environmental Effects:** No known adverse effect on the environment.

**Environmental Fate Data; Persistence/Degradation:** Readily degradable

**Soil Mobility:** No further relevant information available

## SECTION 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

**RCRA Waste code(s):** Not applicable

## SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	-	-	-	-
Transport Hazard Class	-	-	-	-
Packing Group	-	-	-	-
Environmental Hazards	-	-	-	-
Additional Information	-	-	-	-

## SECTION 15. REGULATORY INFORMATION

### US Federal Regulations:

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** The ingredients of this product are listed or exempted from listing because of Low Volume Exemption has been granted in accordance with 40 CFR 723.50

**SARA 302/304 EMERGENCY PLANNING EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

**SARA 311/312:** Acute Health: ☒ Chronic: ☒ Fire: ☐ Sudden Release of Pressure: ☐ Reactive: ☐

**SARA 313 (Specific Toxic chemical listings):** None

**State and Local Regulations:** Certain states maintain their own ingredient lists which differ slightly from the Federal standards. Check with your state for additional regulations.

**CA Proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986):** This product does not contain any Proposition 65 chemicals.

## SECTION 16. OTHER INFORMATION

**Date of issue/revision:** 04/19/2023

**Version:** 1.0

**Date of previous issue:** None

Revisions made:

**Notice to reader:** This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handles, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractor, and customers who will use this product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.