

Section 1: Identification

Product Name Citric Acid USP Anhydrous Fine Granular
Commercial Name Not available.
Product Use Organic Acid
Restrictions On Use Not available
Product Code 30-1165
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Skin corrosion/irritation - Category 2 Serious eye damage/eye irritation - Category 2A Specific target organ
CFR 1910.1200 toxicity, single exposure - Category 3 respiratory tract irritation

Signal Word WARNING

Hazard Statement(s) Causes serious eye irritation.

Pictogram(s) or Symbol(s)


Precautionary Statement(s):

Prevention	Keep in original container. P234 Wash hands thoroughly after handling. P264 Wear eye protection. P280 Wear eye/face protection.
Response	IF SPILLED: Absorb spillage to prevent material damage. P390 IF IN EYES: P305 Rinse cautiously with water for several minutes. P351 Remove contact lenses, if present and easy to do. Continue rinsing. P338 If eye irritation persists: P337 Get medical advice/attention. P313
Storage	Not available
Disposal	Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Citric acid
% By Weight 100
CAS# 77-92-9
Molecular Weight 192.13 g/mole
Chemical Formula C6H8O7
Synonym(s) 2-Hydroxy-1,2,3-propanetricarboxylic acid

Mixtures	Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
	Citric acid	77-92-9	>99.5		

Section 4: First-Aid Measures

Inhalation	Move people from the exposure to fresh air
Skin Contact	Wash skin with soap and water
Eye Contact	Remove particulates by irrigating with eye wash solution or clean water, holding eyelids apart.
Ingestion	Wash mouth and flush throat upto the stomach
Symptoms/Effects	
Acute	This product is irritating to the skin resulting in reddening, stinging, and swelling. This product is irritating to the eyes resulting in stinging, reddening, tearing, and swelling Persons with pre-existing eye or skin disorders may be more susceptible to the effects of this product
Delayed	This product is irritating to the skin resulting in reddening, stinging, and swelling. This product is irritating to the eyes resulting in stinging, reddening, tearing, and swelling Persons with pre-existing eye or skin disorders may be more susceptible to the effects of this product

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use media appropriate for surrounding fire.

Unsuitable Extinguishing Media

Not available

Products of Combustion

Carbon dioxide and carbon monoxide

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus and full protective gear. Use water spray to cool fire exposed containers

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS: Use personal protective equipment. Wear eye protection. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. No special environmental precautions

required METHODS FOR CLEANING UP OCCUPATIONAL SPILL: No specific cleaning procedure is necessary. If washing down spilled area is necessary, use copious amounts of water and control runoff. Follow local, state and federal regulations for product disposal.

Section 7: Handling and Storage

HANDLING: Avoid contact with eyes and skin. Avoid breathing vapors and mist. Wash thoroughly after handling. **STORAGE:** Store in a closed container above 50°F (10°C) and below 140°F (60°C). Reseal container immediately after use

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Exposure limits : not applicable
Engineering Controls	VENTILATION: Use local exhaust ventilation to maintain airborne levels below the recommended exposure limits. EYE PROTECTION: Chemical safety goggles or faceshield. SKIN PROTECTION: Rubber or vinyl gloves and long sleeved shirts and pants to minimize skin contact. Employees should wash their hands and face before eating, drinking or using tobacco products. RESPIRATOR: Under normal conditions of use, respiratory protection is not required. EMERGENCY WASH FACILITIES: Emergency showers and eye wash stations should be made available. Educate and train employees in the safe use and handling of this product.
Personal Protection	Not available.

Section 9: Physical and Chemical Properties

Appearance	Transparent water like to light yellow liquid		
Odor	Essentially odorless to very slight sugar odor		
Odor Threshold	Not available		
Melting Point	Not available	pH	0.6
Freezing Point	Not available	Vapor Pressure	16 mmHg at 68°F (20°C)
Boiling Point/Range	219°F (104°C)	Vapor Density	0.62 (Air = 1)
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not available.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Methyl alcohol: completely miscible		
Other	Evaporation rate Less than 1 (Butyl acetate =1)		

Section 10: Stability and Reactivity

Reactivity	Stable
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Polymerization will not occur.
Conditions to Avoid	Not available
Incompatible Materials	Oxidizing agents, strong acids
Hazardous Decomposition Products	Nothing unusual

Section 11: Toxicological Information
RTECS GE7350000

Acute Toxicity

Not available

Skin Corrosion/Irritation

This product is irritating to the skin resulting in reddening, stinging, and swelling

Serious Eye Damage/Irritation

This product is irritating to the eyes resulting in stinging, reddening, tearing, and swelling

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Skin, Eye

Symptoms Related to Exposure

Not available



Safety Data Sheet

Citric Acid USP Anhydrous Fine Granular

30-1165

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Potential Health Effects

Not available

Target Organ(s) Not available

Section 12: Ecological Information

Ecotoxicity

No data.

Persistence and Degradability

Readily biodegradable

Bioaccumulative Potential

Log Kow <3, not bioaccumulative

Mobility in Soil

Mobility of this material has not been determined.

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Follow local, state, and federal regulations for product disposal. EPA WASTE NUMBER: D002 (Waste Characteristic Corrosivity) for wastes consisting only of this product.

Disposal of Container

Not available.

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

UN/ID Number: 3265 Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (citric acid) Hazard Class: 8 Packing Group: III

Section 15: Regulatory Information

Regulations

According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC(CLP): Classified 15.2 CHEMICAL SAFETY ASSESSMENT US FEDERAL REGULATIONS: Clean Air Act: ODS: Not applicable. SARA (EPCRA) Section 311/312 Categorizations: Acute Health. SARA (EPCRA) Section 313 (40 C.F.R. § 372.65): Not applicable. TSCA Status: On TSCA inventory. STATE REPORTING REQUIREMENTS: California Proposition 65: Not applicable.

Other

No available.

Section 16: Other Information

Not available.