



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300  
All non-emergency calls should be directed to  
Customer Service at 800-662-3435

**NAME: CITRIC ACID**

**SDS NO. 0605**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Citric acid

**Synonyms:** Citric acid

**Recommended Use:** Acidulant for beverages, confections and pharmaceuticals...

**Manufacturer by:** Humco Holding Group, Inc.

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### 2. HAZARD IDENTIFICATION

<b>Pictogram:</b>	
<b>Classification:</b>	Category 2
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	Causes skin irritation. Causes eye irritation.

### 3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
CITRIC ACID	77-92-9

The exact percentage has been withheld as a trade secret

#### 4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Irritation of airways	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	None expected	Do not induce vomiting. If material is swallowed, get medical attention or advice
Skin	Dermal irritation	If irritation occurs, wash with soap and water. If irritation persists, get medical attention.
Eyes	Irritation	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

#### 5. FIRE-FIGHTING MEASURES

Flash Point:	Not determined
Auto Ignition:	Not determined
Extinguishing Media:	Water fog, carbon dioxide, dry chemical.
Products of Combustion:	Upon combustion this product may emit carbon dioxide or carbon monoxide.
Fire Fighting Equipment and Procedures:	Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label directions.
Environmental Precautions:	Prevent discharge to open waters.
Method of Containment:	Sweep up material and dispose in appropriate waste container.
Method for Clean-Up:	Ventilate area of spill. Sweep or scrap up and containerize in approved chemical waste container. Wash spill area with water.

#### 7. HANDLING AND STORAGE

Handling:	Follow instructions in label.
Storage:	Keep from extreme heat. Keep container tightly closed and in a cool, well ventilated place.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls:</b>	Normal room ventilation is usually adequate under normal use.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection:</b>	Wear safety glasses
<b>Skin Protection:</b>	Wear gloves
<b>Respiratory Protection</b>	None needed under normal use.
<b>General Hygiene Considerations:</b>	Wear dust mask

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White crystalline solid	<b>Upper/Lower Flammability:</b>	Not determined
<b>Odor:</b>	None	<b>Vapor Pressure</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	Not determined	<b>Relative Density:</b>	1.542
<b>Melting point /Freezing Point:</b>	Not determined	<b>Solubilities:</b>	soluble in water, alcohol, ether, ethyl acetate, DMSO Insoluble in C6H6, CHCl3, CS2, toluene
<b>Boiling point/range:</b>	Not determined	<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Flash point</b>	Not determined	<b>Auto-ignition temperature</b>	Not determined
<b>Evaporation rate</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not flammable	<b>Viscosity</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Can react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas, which can form an explosive mixture with air.
<b>Chemical Stability:</b>	Stable under normal ambient temperatures (70°F)
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Extreme heat
<b>Incompatible materials:</b>	Alkalis, oxidizing agents
<b>Hazardous Decomposition Products:</b>	Not determined

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Not determined.
<b>Skin irritation:</b>	Not determined.
<b>Eye contact damage:</b>	Not determined.
<b>Respiratory damage:</b>	Not determined.
<b>Ingestion overdose:</b>	Not determined.
<b>Delayed, immediate, or chronic effects from short- and long-term exposure</b>	Not determined.
<b>LD50</b>	Not determined.
<b>Symptoms associated with exposure:</b>	None expected: May cause skin irritation to sensitive people. Dust causes eye irritation.
<b>Carcinogenicity:</b>	
<b>OSHA:</b>	Not listed
<b>NTP:</b>	Not listed
<b>IARC:</b>	Not listed

## 12. ECOLOGICAL INFORMATION

<b>Acute or chronic aquatic toxicity:</b>	Not determined.
<b>Chemical degradation:</b>	Not determined.
<b>Biodegradation:</b>	Not determined.
<b>Bioaccumulation potential</b>	Not determined.
<b>Adsorption studies or leaching studies:</b>	Not determined.
<b>Other adverse effects</b>	Not determined.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

## 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification:</b>	Non-Hazardous
<b>UN number:</b>	Not applicable
<b>UN proper shipping name:</b>	Not applicable
<b>Transport hazard class(es):</b>	Not applicable
<b>Packing group number:</b>	Not applicable
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions:</b>	Avoid extreme heat

**15. REGULATORY INFORMATION**

Not determined

**16. OTHER INFORMATION**

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