

**MATERIAL SAFETY DATA SHEET**

SECTION 1 IDENTIFICATION	
Product Number	034-1064
Product Name	Citric Acid, Anhydrous
Trade /Chemical Synonyms	
Formula	H <sup>+</sup> O—C—
RTCS	GE7350000
C.A.S. #	CAS# 77-92-9
Health:	1
Flammability:	1
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4  NA=Not Applicable NE=Not Established	

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Number	%	Dim.	Exposure Limits
<input type="checkbox"/>	Citric Acid Anhydrous	CAS# 77-92-9	100%	W/W	OSHA PEL 5 mg/mf (resp dust)

**SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)**  
**FIRST AID: INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel.

**SECTION 4 FIRST AID MEASURES**  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.  
**SKIN:** Flush with mild soap and water.  
**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

**SECTION 5 FIRE FIGHTING MEASURES**  
**Fire Extinguisher Type:** Water spray, Carbon dioxide, dry chemical  
**Fire / Explosion Hazards:** Explosive reaction with metal nitrates  
**Fire Fighting Procedure:**  
 Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**  
 Scoop spilled material into a beaker and neutralize to pH between 6 and 9 with an alkali such as soda ash. Flush neutralized waste down the drain with an excess of water

**SECTION 7 HANDLING AND STORAGE**  
 Store tightly closed in a cool dry place

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**  
**Respiratory Protection:** NIOSH/MSHA-approved respirator  
**Ventilation:** Local Exhaust  Mechanical   
**Protective Gloves:** Wear appropriate gloves to prevent skin exposure  
**Eye Protection:** Splash Goggles  
**Other Protective Equipment:** Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**  
**Melting Point:** 153 Deg. C  
**Boiling Point:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Solubility in Water:** 60%  
**Appearance /Odors:** Colorless crystals, no odor  
**Flash Point:** -212°F  
**Specific Gravity:** 1.54  
**Percent Volatile by Volume:** N/A  
**Evaporation Rate:** N/A  
**Evaporation Standard:**  
**Auto Ignition Temp:** Not applicable  
**Lower Flamm. Limit in Air:** Not applicable  
**Upper Flamm. Limit in Air:** Not applicable

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**  
**Stability:** Stable  
**Conditions to Avoid:** Avoid contact with incompatible materials.  
**Materials to Avoid:** Exposure to flames, moisture, oxidizers, metal nitrate  
**Hazardous Decomposition Products:** releases acrid smoke and fumes in fire  
**Hazardous polymerization:** Will Not Occur  
**Conditions to Avoid:** None known

**SECTION 11 ADDITIONAL INFORMATION**  
 May be irritating to eyes skin and respiratory tract. Conditions aggravated/target organs: Persons with pre-existing eye, skin, or respiratory conditions may be more susceptible.  
**DOT Classification:** Not Regulated  
 DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

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