

SECTION 1 IDENTIFICATION	
Product Number	031-2212
Product Name	Citric Acid, Anhydrous
Trade /Chemical Synonyms	
Formula	H <sub>8</sub> O <sub>7</sub> C <sub>6</sub>
RTECS	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 7 HANDLING AND STORAGE
Store tightly closed in a cool dry place

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
<b>Respiratory Protection:</b>	NIOSH/MSHA-approved respirator
<b>Ventilation:</b>	Local Exhaust <input checked="" type="checkbox"/> Mechanical <input checked="" type="checkbox"/>
<b>Protective Gloves:</b>	Wear appropriate gloves to prevent skin exposure
<b>Eye Protection:</b>	Splash Goggles
<b>Other Protective Equipment:</b>	Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Number	%	Dim.	Exposure Limits
<input type="checkbox"/>	Citric Acid	CAS# 77-92-9	100%	W/	OSHA PEL 5 mg/m <sup>3</sup> (respirable c

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)
Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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 4 FIRST AID MEASURES
FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

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

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 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.  
Rev. No: 0 Date Entered: 8/1/2005 Approved: RMC Safety Dir. RMC