



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CITRIC ACID  
CR20

## SECTION 1: PRODUCT INFORMATION

Distributed By: Bridgepoint Systems, 542 West Confluence Ave, Salt Lake City, Utah 84123  
Company Phone Number: 801-261-1282  
Emergency Phone Number: 1-800-535-5053 (Infotrac)  
Date Prepared: 3-4-05 c

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Fire: 0 Health: 1 Reactivity: 1

## SECTION 2: INGREDIENTS

<u>PRINCIPLE HAZARDOUS INGREDIENTS :</u>	<u>TLV</u>	<u>%</u>
2-Hydroxy-1,2,3 Propanetricarboxylic Acid (CAS# 77-92-9)	10mg/m3	100

## SECTION 3: PHYSICAL DATA

Boiling Point (°F).....N/A	Specific Gravity(H <sub>2</sub> O=1).....N/D
Vapor Pressure (mmHg.).....N/A	Percent Volatile by Volume... N/A
Vapor Density (AIR=1).....N/A	PH (1% Solution).....2.2
Solubility in Water.....>50% (by weight)	
Appearance & Odor.....White crystals, no odor	

## SECTION 4: FIRE, EXPLOSION & REACTIVITY DATA

**Flash Point:** Not flammable  
**Extinguishing Media:** Water  
**Special Fire Fighting Procedures:** Use NIOSH/MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.  
**Unusual Fire and Explosion Hazards:** None  
**Stability:** Stable  
**Chemical Incompatibility:** Alkalis  
**Hazardous Decomposition or Byproducts:** In case of fire, CO,CO<sub>2</sub> and other potentially toxic fumes.  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** None

**SECTION 5: HEALTH HAZARD INFORMATION**

Route(s) of entry    Eyes? yes Skin? yes Inhalation? yes Ingestion? no  
 Health Hazards:    Eyes - Will be irritating.  
                               Skin - Will be irritating.  
                               Inhalation - May cause irritation.  
                               Ingestion - None  
 Carcinogenicity:    NTP? no OSHA? no IARC Monograph? no

**SECTION 6: EMERGENCY AND FIRST AID PROCEDURES**

Eyes.....        Flush with water for 15 minutes. Get medical attention.  
 Skin.....        Flush with water for 15 minutes. Get medical attention if irritation occurs.  
 Inhalation..    Remove to fresh air. If not breathing give artificial respiration. If breathing  
                               is difficult give oxygen. Get medical attention.  
 Ingestion...    If irritation occurs get medical attention.

**SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

Respiratory Protection...    Not usually needed.  
 Protective Clothing.....    Rubber gloves, Safety glasses and clothing that will  
   minimize skin contact.  
 Ventilation.....                Normal room ventilation is usually sufficient.  
 Storage.....                      Store in dry place away from excessive heat, in original  
   container. Reseal container after use.

**SECTION 8: SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL**

Sweep up for reuse when possible. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

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