

N 2000

**24 HOUR EMERGENCY ASSISTANCE**  
**CHEMTREC: 800-424-9300**  
 HAZARD RATING

Health Hazard	0
Flammability	1
Reactivity	0

EXTREME  
 SEVERE  
 MODERATE  
 Slightly Hazardous

**IMPORTANT**  
 MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING THIS PRODUCT.  
 Call your supplier for information or help.

Product No. SB 1167 (A)

Product Name: **CITRIC ACID, ANHYDROUS**

**SECTION I - NAME**

Chemical Name: N/A

Formula: C6H8O6

C.A.S. No. 77-92-9

**SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES**

Principal Hazardous Component(s)	%	PEL	TLV Units
Citric Acid	100	None	Established

**SECTION III - PHYSICAL DATA**

Melting Point (F)	153°C (307°F)
Boiling Point (F)	N/A
Vapor Pressure (mm Hg)	N/A
Vapor Density (air=1)	N/A
Solubility in Water	59.2% at 20°C
Appearance & Odor	White crystalline powder, Odorless.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method)	N/A
Flammable Limits in Air (% by Volume)	Upper: N/A Lower: N/A
Self-Heating Potential	N/A
Special Precautions	Use dry chemical; carbon dioxide, water spray or foam.

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**SECTION V - REACTIVITY DATA**

Stability	Stable
Incompatibility (Reagents to Avoid)	Metals, nitrites, strong oxidizers.
Hazardous Decomposition Products	Thermal decomposition results in acrylonitriles, carbon monoxide, carbon dioxide.
Hazardous Polymerization	Conditions to Avoid
May Occur	None

**SECTION VI - SPILL OR LEAK PROCEDURES**

Steps to be Taken to Clean Spill or to Dispose or Spill:

Contain spill. Sweep or vacuum into containers for disposal according to local, state and federal regulations.

Waste Disposal Method: Dispose in accordance with applicable Federal, state and local regulations.

**SECTION VII - SPECIAL PROTECTION INFORMATION**

Respiration Protection (Emergency Use)	NIOSH approved dust mask in high concentrations.
Ventilation	General: X Confined: X
Protective Clothing	Appropriate chemical resistant gloves, Eye Protection, Resistant Goggles
Other Protective Equipment	Full body covering in clothing.

**SECTION VIII - SPECIAL PRECAUTIONS**

Precautions for Handling & Storage: Keep container closed. Wash thoroughly after handling. Store in cool, dry area away from strong oxidizers.

Other Precautions: Remove containers from fire if possible. Cool containers exposed to flame with water spray.

**SECTION IX - OTHER INFORMATION**

Approved by: Steven C. Quardt

Effective Date: 7/20/2004

**SECTION X - ADDITIONAL INFORMATION**

Approved by: Steven C. Quardt

Effective Date: 7/20/2004

Threshold Limit Value  
 None established.

Effects of Overexposure  
**IRRHALATION:** May cause irritation of upper respiratory system, coughing and shortness of breath. **INGESTION:** May cause abdominal pain, nausea, vomiting. **SKIN:** May cause irritation, swelling and pain. Prolonged contact may cause burns. **EYES:** Contact may cause redness, tearing, conjunctivitis.

Emergency and First Aid Procedures  
**SKIN:** Remove contaminated clothing and shoes. Flush with plenty of water from neck with mild soap and water. If irritation or burn developed, remove for medical attention. Wash clothing before reuse. **EYES:** Immediately flush with plenty of water for at least 15 minutes while occasionally blinking. **INGESTION:** If unconscious, do not give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. First treatment give artificial respiration, if breathing is difficult. Give oxygen. Call a physician.

**SECTION V - REACTIVITY DATA**

Stability: Stable  Unstable

Incompatibility (Reagents to Avoid): Metallic nitrides, strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition results in acrylonitriles, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Conditions to Avoid

May Occur: None

**SECTION VI - SPILL OR LEAK PROCEDURES**

Steps to be Taken to Clean Spill or to Dispose or Spill:

Contain spill. Sweep or vacuum into containers for disposal according to local, state and federal regulations.

Waste Disposal Method: Dispose in accordance with applicable Federal, state and local regulations.

**SECTION VII - SPECIAL PROTECTION INFORMATION**

Respiration Protection (Emergency Use): NIOSH approved dust mask in high concentrations.

Ventilation: General: X, Confined: X

Protective Clothing: Appropriate chemical resistant gloves, Eye Protection, Resistant Goggles

Other Protective Equipment: Full body covering in clothing.

**SECTION VIII - SPECIAL PRECAUTIONS**

Precautions for Handling & Storage: Keep container closed. Wash thoroughly after handling. Store in cool, dry area away from strong oxidizers.

Other Precautions: Remove containers from fire if possible. Cool containers exposed to flame with water spray.

**SECTION IX - OTHER INFORMATION**

Approved by: Steven C. Quardt

Effective Date: 7/20/2004

**SECTION X - ADDITIONAL INFORMATION**

Approved by: Steven C. Quardt

Effective Date: 7/20/2004