

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		<b>U.S. Department of Labor</b> Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB no. 1218-0072		
<b>IDENTITY</b> <i>CITRIC ACID</i>		<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked that way.</i>		
<b>Section I</b>				
Manufacturer's Name		Emergency Telephone Number    CHEMTREC (800) 424-9300		
Address ( <i>Number, Street, City, State, and Zip Code</i> ) <b>AMERICAN TARTARIC PRODUCTS, INC.</b> <b>1865 PALMER AVENUE</b> <b>LARCHMONT, NY 10538</b>		Telephone Number for Information    (914) 834-1881		
		Date Prepared    1/3/2003		
		Signature of Preparer ( <i>optional</i> )		
<b>Section II    Hazardous Ingredients/Identity Information</b>				
Hazardous Components (Specific Chemical Identity: Common Name(s))		OSHA PEL	ACGIH TLV	Other Limits Recommended    % ( <i>optional</i> )
N/A				
<b>Section III    Physical/Chemical Characteristics</b>				
Boiling Point	N/A	Specific Gravity	1.665	
Vapor Pressure (mm Hg.)	N/A	Melting Point	153°C	
Vapor Density (AIR = 1)	N/A	Evaporation Rate (n-Butyl Acetate =1)	N/A	
Solubility in Water <b>59.2% @ 20C</b>				
Appearance and Odor    Odorless, Colorless Translucent Crystals.				
Flash Point (Method Used)		Flammable Limits- Lower 8GM/FT3 Upper 65 GM/FT3	LEL	UEL
Extinguishing Media <b>Non - Flammable</b>				
Special Fire Fighting Procedures    Use dry chemical carbon dioxide, halon, water spray, or foam. Remove containers from fire if possible.				
Cool containers exposed to fire with water spray.				
Unusual Fire and Explosion Hazards    May form explosive mixtures with metallic nitrates and strong oxidizers.				

<b>Section V Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid
	Stable	<b>X</b>	
Incompatibility ( <i>Materials to Avoid</i> ) of <span style="margin-left: 20px;">May form explosive mixtures with metallic nitrates and stray oxidizers, thermal decomposition may result in toxic fumes of carbon.</span>			
Hazardous Decomposition of Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>X</b>	
<b>Section VI Health Hazard Data</b>			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Health Hazards ( <i>Acute and Chronic</i> ) <span style="margin-left: 20px;">Repeated or prolonged skin contact may result in dermatitis. Prolonged or repeated eye contact may result in conjunctivitis. Long term oral overexposure may cause damage to tooth enamel.</span>			
Carcinogenicity:	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
Signs and Symptoms of Exposure <span style="margin-left: 20px;">A SKIN AND MUCOUS MEMBRANE IRRITANT AND A SEVERE EYE IRRITANT</span>			
Medical Conditions Generally Aggravated by Exposure <span style="margin-left: 20px;">SEE ABOVE</span>			
Emergency and First Aid Procedures <span style="margin-left: 20px;">FLUSH EYE CONTACT WITH WATER</span>			
<span style="margin-left: 20px;">FLUSH SKIN CONTACT WITH SOAP WATER - CONSULT PHYSICIAN IF INGESTED DO NOT INDUCE VOMITING.</span>			
<b>Section VII Precautions for Safe Handling and Use</b>			
Steps to Be Taken in Case Material is Released or Spilled			
Waste Disposal Method <span style="margin-left: 20px;">SWEEP OR VACUUM INTO CLOSED CONTAINERS, DISPOSE WITH LOCAL STATE AND FEDERAL REGULATIONS.</span>			
Precautions to Be Taken in Handling and Storing <span style="margin-left: 20px;">DUST RESPIRATOR, PROTECTIVE CLOTHING.</span>			
Other Precautions <span style="margin-left: 20px;">STORE IN COOL DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. PROTECT CONTAINERS FROM DAMAGE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND VAPORS. OBSERVE ALL LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. DO NOT REUSE UNLESS THOROUGHLY CLEANED.</span>			
<b>Section VIII Control Measures</b>			
Respiratory Protection ( <i>Specify Type</i> ) <span style="margin-left: 20px;">NIOSH APPROVED DUST RESPIRATOR.</span>			
Ventilation	Local Exhaust		Special
	Mechanical (General)		Other
Protective Gloves	LONG SLEEVES AND GLOVES	Eye Protection	SAFETY GOGGLES / SAFETY GLASSES
Other Protective Clothing or Equipment <span style="margin-left: 20px;">N/A</span>			
Work/Hygienic Practices <span style="margin-left: 20px;">PROTECTIVE CLOTHING</span>			