

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> L-ASCORBIC ACID (CAS #50-81-7)		<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 I</b>			
Manufacturer's Name		Emergency Telephone Number	CHEMTREC (800) 424-9300
Address (Number, Street, City, State, and Zip Code) AMERICAN TARTARIC PRODUCTS, INC. 1865 PALMER AVENUE LARCHMONT, NY 10538		Telephone Number for Information	(914) 834-1881
		Date Prepared	January 3, 2003
		Signature of Preparer (optional)	
<b>Section II Hazardous Ingredients/Identity</b>			
Other Limits			
Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Recommended % (optional)
CERCLA RATINGS (SCALE 0 - 3): HEALTH = 1; FIRE = 1; REACTIVITY = 0; PERSISTENCE = 0			
NFPA RATINGS (SCALE 0 - 4): HEALTH = 1; FIRE = 1; REACTIVITY = 0			
<b>Section III Physical/Chemical Characteristics</b>			
Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.65
Vapor Pressure (mm Hg.)	N/A	Melting Point	190 - 192 C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate =1)	N/A
Solubility in Water	33%		
Appearance and Odor	ODORLESS, WHITE TO SLIGHTLY YELLOW CRYSTALS		
Flash Point (Method Used)	Flammable Limits	LEL	UEL
Extinguishing Media	<b>DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM</b>		
Special Fire Fighting Procedures	MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR LATER DISPOSAL. (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5, P31). P-31PG		
Unusual Fire and Explosion Hazards	<b>None</b>		

<b>Section V Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid
	Stable	<b>X</b>	
Incompatibility ( <i>Materials to Avoid</i> ) AVOID STRONG OXIDIZERS, EXCESSIVE HEAT, SPARKS, OR OPEN FLAME.			
Hazardous Decomposition of Byproducts MAY INCLUDE TOXIC OXIDES OF CARBON.			
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> )	MILD IRRITATION IRRITATION	MILD IRRITATION	GASTROINTESTINAL IRRITATION, NAUSEA
Carcinogenicity:	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
Signs and Symptoms of Exposure	MAY IRRITATE SKIN, EYES		
Medical Conditions Generally Aggravated by Exposure	NONE KNOWN		
Emergency and First Aid Procedures	FLUSH EYE CONTACT WITH LARGE AMOUNTS OF WATER, GET MEDICAL ATTENTION IMMEDIATELY FLUSH SKIN CONTACT WITH WATER - CONSULT PHYSICIAN IF INGESTED		
<b>Section VII Precautions for Safe Handling and Use</b>			
Steps to Be Taken in Case Material is Released or Spilled	SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY.		
Waste Disposal Method	OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN DISPOSING OF THIS SUBSTANCE		
Precautions to Be Taken in Handling and Storing	KEEP CONTAINER TIGHTLY CLOSED; PROTECT FROM AIR AND LIGHT. STORE IN A WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE SUBSTANCES.		
<b>Section VIII Control Measures</b>			
Respiratory Protection ( <i>Specify Type</i> )	ANY DUST & MIST RESPIRATOR, AIR PURIFYING RESP., ANY SELF-CONTAINED BREATHING APPARATUS		
Ventilation	Local Exhaust	SHOULD BE EXPLOSION PROOF IF EXPLOSIVE CONCENTRATIONS	Special
	Mechanical (General)		Other
Protective Gloves	MUST BE WORN	Eye Protection	DUST-PROOF SAFETY GOGGLES
Other Protective Clothing or Equipment	MUST PROTECT EMPLOYEE FROM PROLONGED SKIN CONTACT		
Work/Hygienic Practices	N/A		