



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **L-Tartaric Acid**
PRODUCT NUMBER: 26362
CAS NUMBER: 87-69-4
SYNONYMS: 2,3-Dihydroxybutanedioic acid; L-(+)-Tartaric Acid; Malic acid, 3-hydroxy; Succinic Acid, 2,3-dihydroxy

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation

Precautionary Phrases

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P310	Immediately call poison center or doctor/physician.
P260	Do not breath dust or mist
P264	Wash skin thoroughly after handling
P271	Use only outdoors or in a well ventilated area
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store lockup up.
P501	Dispose of contents/container to an approved waste disposal plant

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

HMIS CLASSIFICATION:

Health: 2 Fire: 1 Reactivity Hazard: 0 Personal: J

NFPA RATING:

Health: 2 Flammability: 1 Reactivity Hazard: 0 Specific Hazard: Not available

EYE CONTACT: Causes eye irritation

SKIN CONTACT: May be harmful if absorbed through the skin. Causes skin irritation

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

INGESTION: May be harmful if swallowed

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $H_2C_4H_4O_6$

Molecular Weight: 150.09

CHEMICAL NAME	CAS#	%
Tartaric Acid	87-69-4	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: In case of eye contact, rinse with plenty of water and seek medical attention if necessary.

SKIN EXPOSURE: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.

INHALATION: Remove casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: 210°C

AUTO IGNITION TEMPERATURE: 425°C

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use water spray; dry chemical, carbon dioxide, or alcohol foam. Use water spray to keep fire-exposed containers cool.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon Oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Use adequate ventilation. Have supplies and equipment for neutralization and running water available.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Keep container tightly closed.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no materials with occupational exposure limit values.

EYE PROTECTION: Face shield and safety glasses

SKIN PROTECTION: Complete suit protecting against chemicals. Select equipment, which will protect you based on the concentration and amount of this substance you will be using.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White, fine granular powder

MOLECULAR WEIGHT: 150.09

BOILING POINT: Not data available

MELTING POINT: 170°C

SPECIFIC GRAVITY: Not available

VAPOR DENSITY: 5.18

SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Excessive heat

INCOMPATIBILITY: Strong oxidizing agents; material reacts with metals (especially silver), strong bases, and reducing agents.

DECOMPOSITION PRODUCTS: Carbon oxides

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Intravenous – mouse – 485 mg/kg

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a dangerous good

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

DSCL (EEC): Listed on the DSCL inventory

SARA 302/304: Not Listed

SARA 311/312: Tartaric Acid

SARA (TITLE 313): Not listed

CALIFORNIA PROP. 65: Not Listed

WHMIS CANADA: CLASS E: Corrosive solid

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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