



**The Chemical Company**  
19 Narragansett Avenue  
Jamestown, RI 02835  
Phone: (401) 423- 3100

## Material Safety Data Sheet

### 1. Supplier and Substance Identification

#### The Chemical Company

19 Narragansett Avenue  
Jamestown, RI 02835 USA

Phone 401.423.3100  
Fax 401.423.3102  
Email [info@thechemco.com](mailto:info@thechemco.com)  
Web [www.thechemco.com](http://www.thechemco.com)  
Chemical Name L (+) **Tartaric Acid**  
Molecular Formula C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>  
Molecular Weight 150.09  
Synonyms 2,3-Dihydroxybutanedioic Acid, L(+)-Dihydroxysuccinic Acid

### 2. Composition /Information on ingredients

Chemical Name CAS No. Content (W/W) EINECS  
L(+) **Tartaric Acid** 87-69-4 More than 99.8% 201-766-0

### 3. Hazard Identification

Hazard Symbol Xi - Irritant  
R-Phrases R36/37/38  
S-Phrases S26

### 4. First Aid Measures

Inhalation Remove person from the area of contamination to fresh air.  
Ingestion If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as collar, tie, belt.  
Skin Contact Wash affected body areas with large volumes of water, if irritation persists, see a physician.  
Eyes Flush eyes with clean water, lifting eyelids occasionally, flush with water for 15 minutes.  
Other Launder contaminated clothing before re-using.

### 5. Fire Fighting Measures

Flammable Limits Not Applicable.  
Extinguishing Media Water spray, carbon dioxide, dry chemical, powder, foam.  
Fighting Procedures Use fire-fighting procedure that is appropriate to treat Surrounding fire, all fire fighters should use self-contained breathing apparatus and full fire fighting turnout gear.

### 6. Accidental Release Measures

Personal precautions Avoid Inhalation of dust. Use personal protective equipment. Ensure adequate ventilation.  
Environmental precautions Remove all sources of ignition. Avoid discharge into environment  
Methods for cleaning up Use mechanical handling equipment. Avoid raising dust. Flush with plenty of water. Dispose of in compliance with local and national regulations.

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## 7. Handling and Storage

### Handling

General advice      Ensure thorough ventilation of stores and work areas.

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking

Protection against

Fire and explosion    Avoid dust formation. Dust can form an explosive mixture with air.

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Electrical devices must meet the specified temperature class.

### Storage

General advice      Protect against moisture. Containers should be stored tightly sealed in a dry place.

## 8. Exposure Controls/Personal Protection

Engineering Measures    Prevent dust buildup by providing adequate ventilation.

Hygiene Measures      Wash hands before consumption of food or drink.

Skin and Body          Wear approved protective work boots, work clothing.

Hands                    Gloves - protective recommended.

Eyes                     Safety glass with side shields, chemical goggles if contact likely.

Hair                      Some form of hat or hair covering.

Other Devices          Maintain eye wash facility in work area.

## 9. Physical and Chemical Properties

Form                      Crystalline solid

Odor                      Odorless

Colour                    Colorless

Molecular Weight      150.09

Water solubility g/100ml @ 20°C    133

Melting Point ° C      168-170

Density g/ml at 20° C    1.7598

## 10. Stability and Reactivity

Stability                Stable at normal temperatures.

Conditions to Avoid    N/A

Materials to Avoid     Strong oxidants, strong bases, alkali metals.

Special remarks on    Violent reaction possible with silver. Aqueous solution of **Tartaric Acid** can liberate  
Reactivity              explosive H<sub>2</sub> gas if contacted with reactive metals (Iron, Zinc, Aluminum)

## 11. Toxicological Information

Not Available.

## 12. Ecological Information

Not Available

## 13. Disposal Consideration

Disposal method



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Product : To be performed as per local regulations.

Contaminated packaging : Can be land filled or incinerated, in compliance with Local Regulations

#### **14. Transport Information**

DOT Classification : Not a DOT controlled material (United States).

Maritime transport IMDG } : Not Classified as a dangerous good under transport regulations Air transport ICAO/IATA

#### **15. Regulatory Information**

INTERNATIONAL REGULATIONS

Listed in EC : 334

Brussels Nomenclature : 2918.12

US Food and Drug Administration : 21 CFR 184.1099

Responsibility of the receiver to have the knowledge of the local and national regulations.

#### **16. Other Information**

The information provided in this Safety Data Sheet is given in good faith and is correct to the best of our knowledge and information at the date of publication. It is designed only as guidance for safe handling, storage, transportation, use and disposal. No warranty is expressed or implied.