

MATERIAL SAFETY DATA SHEET

Product Name: L (+) TARTARIC ACID

Revision Date: 11.11.2009

Page: 1 of 4

1. Manufacturer and Substance Identification

Thirumalai Chemicals Limited,
25 - B SIPCOT Industrial Complex,
Ranipet. 632 403. Tamil Nadu, India.
Phone : + 91 - 04172 - 244441 / 244442 / 244446
Fax : + 91 - 04172 - 244308.
E-mail : exports@thirumalaichemicals.com

Chemical Name : L (+) Tartaric Acid
Molecular Formula : C₄H₆O₆
Molecular Weight : 150.09
Synonyms : 2,3-Dihydroxybutanedioic Acid , L(+)-Dihydroxysuccinic acid

2. Composition /Information on ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Content (W/W)</u>	<u>EINECS</u>
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

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation of Dust : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt.

MATERIAL SAFETY DATA SHEET

Product Name: L (+) TARTARIC ACID

Revision Date: 11.11.2009

Page: 2 of 4

5. Fire Fighting Measures

- Fire Extinguisher Type : Water spray, Carbon dioxide, dry chemical, powder, foam.
Fire/Explosion Hazards : Fire possible at elevated temperatures. Dust in sufficient quantities can be a dust explosion hazard.
Fire Fighting Procedure : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
-

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.
-

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.

MATERIAL SAFETY DATA SHEET

Product Name: L (+) TARTARIC ACID

Revision Date: 11.11.2009

Page: 3 of 4

9. Physical and Chemical Properties

Form	: Crystalline Solid
Odour	: Odorless
Color	: Colorless
Molecular Weight	: 150.09
Melting Point ° C	: 168-170
Water Solubility g/100ml at 20°C	: 133
Density at 20° C	: 1.7598

10. Stability and Reactivity

Stability	: The product is stable.
Instability Temperature	: Not available.
Conditions of Instability	: Excess heat, dust generation, incompatible materials
Incompatibility with various Substances	: Reactive with oxidizing agents, reducing agents, alkalis.
Special Remarks on Reactivity	: Violent reaction possible with silver. Aqueous solution of tartaric Acid can liberate explosive H ₂ gas if contact with reactive metals (Iron, Zinc, Aluminum)

11. Toxicological Information

Not available.

12. Ecological Information

Not available.

13. Disposal Consideration

Disposal method	
Product	: To be performed as per local regulations.
Contaminated packaging	: Can be land filled or incinerated, in compliance with Local Regulations

14. Transport Information

<u>Road transport ADR/RID</u>	} Not Classified as a dangerous good under transport
<u>Maritime transport IMDG regulations</u>	
<u>Air transport ICAO/IATA</u>	

MATERIAL SAFETY DATA SHEET

Product Name: L (+) TARTARIC ACID

Revision Date: 11.11.2009

Page: 4 of 4

15. Regulatory Information

INTERNATIONAL REGULATIONS

Listed in EC : 334
Brussels Nomenclature : 2918.12
U.S. 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.

Contact Person : B.S.Maruthi Prasad,
Company : Thirumalai Chemicals Limited
25B Sipcot Industrial Complex
Ranipet 632 403, Tamil Nadu, India
Phone number : + 91 - 04172 - 244441 / 244442 / 244446
Fax number : + 91 - 04172 - 244308
E-Mail : maruthiprasad@thirumalaichemicals.com