

HANGZHOU REGIN BIO-TECH CO., LTD.

Material Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)
L (+) - tartaric acid

Version 1.0

Issue date: 01/01/2022

Revision date: 01/01/2024

SDS record number: CSSS-TCO-010-119899

MATERIAL SAFETY DATE SHEET

1. Product and Company Identification

Material name L (+) - tartaric acid
CAS # 87-69-4
Product code -
Product use Not available.
Manufacturer/Supplier
Supplier(Manufacturer): Hangzhou Regin Bio-tech Co., Ltd
Address: No.1 Fumin Rd, Yuqian Industrial District, Yuqian Town, Lin'an City, Zhejiang Province, China
Contact person(E-mail): -
Telephone:
Fax:
Emergency telephone Number:

2.Composition / Information on Ingredients

CAS#	Chemical Name	%
87-69-4	L(+)-Tartaric acid, L(+)-2,3-dihydroxy butanedioic acid	≥94.5

3. Hazards identification

Label precautionary statements

Irritant

Irritating to eyes, respiratory system and skin .

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing.

4. First Aid Measures

First aid procedures

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses

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Skin contact

if present and easy to do-continue rinsing. Seek medical attention.

Remove contaminated clothing. Wash affected skin with soap and plenty of water. If skin irritation or dermatitis commences or persists seek medical attention.

Inhalation

In case of irritation of the respiratory system or mucous membranes, seek medical attention. Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged.

Ingestion

In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Rinse mouth and then drink plenty of water. Induce vomiting (only first-aid staff) if person is conscious. Seek medical attention. Check breathing and pulse. Place victim in the recovery position, cover and keep warm. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention.

Notes to physician

Treat symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing media

Water spray.

Carbon dioxide, dry chemical power or appropriate foam.

Special firefighting procedures

Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or Equivalent), and full protective gear.

This material is sufficient quantity and reduced particle size is capable of creating a dust explosion

6. ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Refer to 8.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Safety shower and eye bath.

Mechanical exhaust required.

Wash thoroughly after handling.

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Do not breathe dust.

Avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposure.

Niosh/osha-approved respirator.

Compatible chemical-resistant gloves.

Chemical safety goggles.

Keep tightly closed.

Store in a cool dry place.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appearance and odor

White crystals

Physical properties

Melting point: 170°C to 172 °C

Autoignition temperature: 797°F (425°C)

Solubility: Water-Z26130

Vapor density: 5.18

pH: 1,0-2,0

10. EXPOSURE CONTROLS/PERSONAL PROTECTION

Stability: stable

Incompatibilities

Oxidizing agents

Reducing agents

Hazardous combustion or decomposition products.

Carbon monoxide, carbon dioxide.

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute effects

Causes skin irritation. May be harmful if absorbed through the skin.

Causes eye irritation.

May be harmful if inhaled.

Material is irritating to mucous membranes and upper respiratory tract.

May be harmful if swallowed.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS#: ww7875000

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Tartaric acid toxicity data: lvn-mus ld50:485mg/kg Jafcau 5,759,1957

Target organ data :

Behavioral (convulsion or effect on seizure threshold)

Blood (hemorrhage)

Only selected registry of toxic effects of chemical substances

(rtecs) data is presented here. See actual entry in rtecs for complete information.

12.ECOLOGICAL INFORMATION

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	>100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	93.313 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	51.404 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:

Readily biodegradable.

Bioaccumulative potential:

Not available.

Mobility in soil:

Not available.

Results of PBT&vPvB assessment:

Not available.

Other adverse effects:

Harmful to aquatic life.

13.DISPOSAL CONSIDERATIONS

Dissolve or mix the material with combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

Basic shipping requirements:

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UN number Not regulated

Proper shipping name Not regulated

15. REGULATORY INFORMATION

US Federal

TSCA:

CAS# 87-69-4 is listed on the TSCA Inventory.

SARA Reportable Quantities(RQ):

None of the chemical in this material have an RQ.

CERCLA/ SARA Section 313:

No chemicals are reportable under Section 313.

OSHA-Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

US State

State Right to know:

CAS# 87-69-4 is not present on the state from California, Pennsylvania, Minnesota, Massachusetts, Florida, or New Jersey.

California Regulation:

None.

European/ International Regulations

Canadian DSL/NDSL:

CAS# 87-69-4 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:

CAS# 87-69-4 is not on the Canadian Ingredient Disclosure List.

16. OTHER INFORMATION

HMIS® ratings

Health:2

Flammability: 1

Physical hazard: 0

NFPA ratings

Health: 2

Flammability: 1

Instability: 0

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Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

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