

Safety Data SheetIssue Date: 1st June 2016PRODUCT NAME: **L (+) TARTARIC ACID (NATURAL)****1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product name: L (+) TARTARIC ACID (NATURAL)
Chemical Name: -
Synonyms: Dextrotartaricacid' L-2,3dihydroxybutanedioic Acid
Proper shipping name: -
Chemical formula: C₄H₆O₆
CAS number: 87-69-4
Use(s): Food and Beverage Industries,

Supplier of the Safety Data Sheet

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2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	None Allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
Pkg Group	None Allocated	Hazchem Code	None Allocated	EPG	None Allocated

GHS Classification Eye Irritant. (Cat 2)
Skin irritation (Category 2)
Specific target organ toxicity - single exposure (Resp. Irr.) (Cat 3)



Health Hazards

Signal Word WARNING

Hazard statements H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Precautionary Statements

Prevention P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response	P301 + P312 P303 + P352 P332+P313 P304 + P340 P305 + P351 + P338 P337 + P313	IF SWALLOWED: Call POISON CENTER or doctor/ physician if you feel unwell IF ON SKIN (or hair): Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
Storage	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed	
Disposal	P501 - Dispose of contents/container to hazardous or special waste collection point	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
TARTARIC ACID	C4-H6-O6	87-69-4	100%

4. FIRST AID MEASURES

Eye	Flush gently with running water for 15 minutes.
Skin	Gently flush affected areas with water. Seek medical attention if irritation develops.
Inhalation	If overexposure occurs leave exposure area immediately. If irritation persists Seek medical attention.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability	Combustible - potentially explosive dust if exposed to heat or ignition sources, the risk however due to the nature of use the risk is extremely low. May evolve toxic gases (carbon oxides and hydrocarbons) if heated to decomposition.
Fire and Explosion	Combustible solid. May burn, although not readily ignitable. Dust at high concentrations may be explosive. Difficult to extinguish once burning. Evacuate area and-contact emergency services. Toxic gases may be evolved when heated
Extinguishing	Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt or if packages are damaged collect for later disposal. For large amounts wear dust proof goggle, PVC rubber gloves, a class P1 (particulate) respirator, coveralls and boots. Clear area of unprotected personnel Eliminate heat or ignition sources, cover spill with moist sand or similar, collect and place in sealable containers for disposal. Avoid generating dust
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7. STORAGE AND HANDLING

Storage	Store in cool, dry, well ventilated area, removed from oxidising agents and food stuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.
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Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

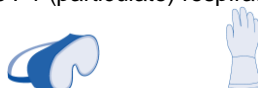
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards No exposure standard(s) allocated.

Biological Limit Values No biological limit allocated.

Engineering Controls Ensure adequate natural ventilation.

PPE Wear dust-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely wear coveralls. Where an inhalation risk exists, wear a Class P1 (particulate) respirator



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE CRYSTALLINE SOLID	Solubility (water)	SOLUBLE
Odour	ODOURLESS	Specific Gravity	1.76
pH	ACIDIC	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	COMBUSTIBLE
Vapour Density	NOT AVAILABLE	Flash Point	210°C
Boiling Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Melting Point	168°C	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Auto ignition Temperature	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Material to Avoid Incompatible with oxidising agents (eg. peroxides) and acids. Also incompatible with alkalis.

Decomposition May evolve toxic gases (carbon oxides, hydrocarbons) if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low Toxicity - irritant. This product may present a hazard with eye contact, prolonged or repeated skin contact or with dust inhalation at high levels. Use safe work practices to avoid eye or skin contact and dust inhalation.

Eye Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation Irritant. Over exposure may result in mucous membrane irritation of the nose and throat with coughing.

Skin Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion Low toxicity. Ingestion may result in gastrointestinal irritation, however due to product form, ingestion is considered highly unlikely. Maintain good personal hygiene standards.

Toxicity Data No LD50 data available for this product

12. ECOLOGICAL INFORMATION

Environment Ensure appropriate measures are taken to prevent this product from entering the environment.

Persistence: Air	LOW
Bioaccumulation	LOW
Mobility	HIGH

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Ensure product is covered with moist soil to prevent dust generation and dispose of to approved Council landfill.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE
NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADG7, UN, IATA, IMDG**

Land Transport UNDG

Shipping Name	None Allocated				
UN No.	none allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
Pkg Group	None Allocated	Hazchem Code	None Allocated	EPG	None Allocated

15. REGULATORY INFORMATION

Poison Schedule	None.
AICS	tartaric acid (CAS: 87-69-4) is listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Additional Information	ABBREVIATIONS: mg/m ³ - Milligrams per cubic metre ppm - Parts Per Million TWA/ES - Time Weighted Average or Exposure Standard. NOS - Not Otherwise Specified pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline. CAS# - Chemical Abstract Service number - to uniquely identify chemical compounds. IARC - International Agency for Research on Cancer.
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PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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In particular, the information contained herein should not be construed as a representation that the product is suitable for any particular purpose or application

End of Report