

## Safety Data Sheet

### Natural Tartaric Acid - Granular

#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** Natural Tartaric Acid - Granular  
**Chemical Name:** -  
**Synonyms:** L-2,3 dihydroxybutanedioic Acid  
**Proper shipping name:** Natural Tartaric Acid  
**Chemical formula:** C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>  
**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 ACCORDING TO ADGC CRITERIA

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

**GHS Classification** Eye Irritant. (Cat 2)  
Skin irritation (Cat 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 IF SWALLOWED: Call POISON CENTER or doctor/ physician if you feel unwell  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of water and soap.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 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	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	87-69-4	100%

### 4. FIRST AID MEASURES

**Eye** Wash out immediately with fresh running water.  
Ensure complete irrigation of the eye.  
Seek medical attention without delay; if pain persists or recurs seek medical attention.

**Skin** Immediately remove all contaminated clothing, including footwear.  
Flush skin and hair with running water (and soap if available).  
Seek medical attention in event of irritation.

**Inhalation** If fumes or combustion products are inhaled remove from contaminated area.

**Ingestion** If swallowed do NOT induce vomiting.  
If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.  
Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.  
Seek medical advice.

**Advice to Doctor** Treat symptomatically

### 5. FIREFIGHTING MEASURES

**Flammability** Combustible - potentially explosive dust if exposed to heat or ignition sources. 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 evolve when heated.
<b>Extinguishing</b>	Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.
<b>Hazchem Code</b>	None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Spillage</b>	<p>If spilt or if packages are damaged, separate for later disposal.</p> <p>For large amounts wear dust proof goggle, PVC rubber gloves, a class P1 (particulate) respirator, coveralls and boots.</p> <p>Clear area of unprotected personnel.</p> <p>Eliminate heat or ignition sources, sweep up, and place in sealable containers for disposal.</p> <p>Avoid generating dust.</p>
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## 7. STORAGE AND HANDLING

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<b>Storage</b>	<p>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.</p>
<b>Handling</b>	<p>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.</p>

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Exposure Standards</b>	No exposure standard(s) allocated.
<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	Ensure adequate natural ventilation.
<b>PPE</b>	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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	WHITE CRYSTALLINE SOLID	<b>Solubility (water)</b>	SOLUBLE
<b>Odour</b>	ODOURLESS	<b>Specific Gravity</b>	1.76
<b>pH</b>	ACIDIC	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	COMBUSTIBLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	210°C
<b>Boiling Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT AVAILABLE



Melting Point 168°C  
Evaporation Rate NOT AVAILABLE

Lower Explosion Limit NOT AVAILABLE  
Auto ignition Temperature NOT AVAILABLE

## 10. STABILITY AND REACTIVITY

**Material to Avoid** Incompatible with oxidising agents (e.g., peroxides). 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** Dermal (rat) LD50: >2000 mg/kg  
Oral (rat) LD50: >=2000 mg/kg

## 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 to prevent dust generation and dispose of to an approved Licensed 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	Natural Tartaric Acid
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<b>Pkg Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>EPG</b>	None Allocated

## 15. REGULATORY INFORMATION

**Poison Schedule** None.

**AICS** Tartaric acid is listed on the Australian Inventory of Chemical Substances.

## 16. OTHER INFORMATION

**Additional Information** ABBREVIATIONS:  
mg/m3 - 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.  
ADGC – Australian Dangerous Goods Code  
NOHSC – National Occupational Health and Safety Commission

### 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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**End of Report**

