

Infosafe No™ 3CHP0 Issue Date : February 2021 RE-ISSUED by CHEMSUPP

Product Name **TARTARIC ACID Solution**

Classified as hazardous

1. Identification

GHS Product Identifier TARTARIC ACID Solution

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

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Recommended use of the chemical and restrictions on use Acidulant in foods, winemaking.

Other Names	<u>Name</u>	<u>Product Code</u>
	Natural Tartaric Acid 50% w/v	TP269

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Eye Damage/Irritation: Category 2A

Signal Word (s) WARNING

Hazard Statement (s) H319 Causes serious eye irritation.

Pictogram (s) Exclamation mark



Precautionary statement – Prevention P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.

Precautionary statement – Response 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.

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Tartaric acid	87-69-4	50 % w/v

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Ingredients	Name	CAS	Proportion
	Water to 100%.	7732-18-5	

4. First-aid measures

Inhalation	Remove victim to fresh air. If breathing becomes difficult, seek medical attention.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Wash with plenty of soap and water. If irritation occurs seek medical advice.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods	Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.
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6. Accidental release measures

Personal Precautions	Avoid contact with eyes and skin.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Absorb liquid with sand or earth. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.
Clean-up Methods - Large Spillages	Prevent from spreading by making a barrier with sand, earth or other containment material. Pump into separate containers. Avoid washing into drains. Can be neutralised with excess sodium carbonate or bicarbonate.
Environmental Precautions	Use appropriate containment to avoid environmental contamination. Prevent contamination of soil and water.

7. Handling and storage

Precautions for Safe Handling	Avoid contact with eyes. Avoid contact with skin. Avoid prolonged or repeated contact with skin and eyes. Wear suitable protective clothing.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a cool, well-ventilated place. Keep away from direct sunlight. Store away from incompatible materials.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable.
Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. These methods should be used in preference to personal protective equipment.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including

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Eye Protection	selection, fit testing, training, maintenance and inspection. The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear to slightly yellow solution.
Odour	Odourless to mild.
Freezing Point	No data available.
Boiling Point	Approx. 100°C
Solubility in Water	Tartaric acid powder 150g/L at 20°C.
pH	Tartaric acid powder ~ 1.6 (100 g/l, H2O)
Density	1.2 g/l
Molecular Weight	Tartaric acid 150.09

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Incompatibles.
Incompatible Materials	Strong oxidising agents, strong acids, strong bases, sliver, silver compounds, reactive metals such as iron, zinc and aluminium. Aqueous solutions of tartaric acid may release explosive hydrogen gas if in contact with reactive metals.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LDLo (Rat): 7500 mg/kg - Tartaric Acid powder.
Ingestion	Accepted as a safe food additive but may be harmful if large quantities ingested. The effect is that of an organic acid, producing mild irritation to the gastrointestinal system, abdominal pain, nausea, vomiting and diarrhoea. May affect kidneys (kidney damage), blood, behaviour (convulsions, somnolence) and respiration.
Inhalation	May cause irritation to the mucous membrane and respiratory tract.
Skin	May be harmful if absorbed through skin causing mild irritation.
Eye	Causes serious eye irritation.
Carcinogenicity	No evidence of carcinogenic properties.

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Chronic Effects	Repeated exposure may cause erosion of teeth. Repeated or prolonged exposure may cause lesions of the mouth, gastric ulcers, gastrointestinal hyperacidity, and symptoms similar to metal fume fever - flu like condition with fever, chills, sweats, nausea, vomiting, muscle aches, pains and weakness. Repeated or prolonged skin contact may cause skin ulcerations or lesions,
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Persistence and degradability	Readily biodegradable. Harmful due to pH shift.
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13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG); by the IATA Air Transport Dangerous Goods Regulations; or by the IMDG (International Maritime Dangerous Goods) Code.
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15. Regulatory information

Regulatory Information	Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Tartaric acid is listed in the Australian Inventory of Industrial Chemicals (AIIC).
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
Empirical Formula & Structural Formula	Empirical Formula: C ₄ H ₆ O ₆ Structural Formula: HO ₂ CCCH(OH)CH(OH)CO ₂ H ...End Of MSDS...

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