



Material Safety Data Sheet

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Infosafe No. AE270 Issue Date : August 2004 ISSUED by AMTRADE

Product Name : **POTASSIUM HYDROGEN TARTRATE**

Not classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name POTASSIUM HYDROGEN TARTRATE
Product Use Baking powder, preparation of other tartrates, medicine, galvanic tinning of metals, colouring metals, food additive, reducer of Cr6+ in mordants for wool.
Company Name Amtrade International Pty Ltd (ABN 49 006 409 936)
Address Level 6, 574 St Kilda Road
Melbourne
VIC. 3004 Australia
Emergency Tel. 1800 033 111 Aust
Telephone/Telex Number Tel: 61 3 9229 9229 Fax: 61 3 9229 9290
Other Names

<u>Name</u>	<u>Product Code</u>
Cream of Tartar Natural 25kg	349739
Cream of Tartar (Vin) 25kg	364916
Cream of Tartar BP/USP 25kg	370452
o	
o	
Potassium Bitartrate;	
Tartaric Acid, Monopotassium Salt;	
Butanedioic Acid, 2,3-Dihydroxy-, Monopotassium Salt;	
o	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Potassium Hydrogen Tartrate	868-14-4	>99.5%
	Moisture	7732-18-5	<0.5%
	Tartaric Acid, Free	87-69-4	<0.2%

3. HAZARDS IDENTIFICATION

Not a Dangerous Good, Workplace Hazardous Substance or Scheduled Poison.

Other Information Dry, fine powder may form an explosive organic dust cloud in dry air. May cause skin, eye and respiratory irritation. Not harmful if swallowed in small amounts. May cause irritation in large doses. Has laxative properties in large doses.

4. FIRST AID MEASURES

Inhalation Move to fresh air. Seek medical advice if effects persist.
Ingestion Drink plenty of water.
Skin Wash with soap and water. Seek medical advice if effects persist.
Eye Flush with plenty of water.
First Aid Facilities Normal wash room facilities e.g. soap, water, eye wash and shower.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

An organic dust explosion is possible if the dry powder is mixed with dry air.
EXTINGUISHING MEDIA: Any suitable for the surrounding area.

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Decomposition Temp. >250°C

6. ACCIDENTAL RELEASE MEASURES

SPILLAGE: Clean up with a shovel and broom. If a vacuum cleaner is used, ensure that it is intrinsically safe to use with potentially explosive organic dust. Seal in a clean, labelled container for disposal.

7. HANDLING AND STORAGE

Keep in closed container in a dry, cool place, out of direct sunlight. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	No specific exposure standard assigned by the NOHSC (Worksafe Australia). Nuisance Dust 10 mg/m3 TWA
Personal Protective Equipment	Avoid breathing the dust or solution mist. Wear rubber or plastic gloves. Wear safety glasses with side shields or goggles. Always wash hands before smoking, eating, drinking or using the toilet.
Eng. Controls	Good general ventilation. Avoid formation of potentially explosive organic dust clouds. All equipment must be sparkproof and explosion proof where dust clouds might be formed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystals or crystalline powder, with a pleasant, slightly acid taste and no odour.
Decomposition Temperature	>250°C
Melting Point	250°C approx. (decomposes)
Boiling Point	Not applicable
Specific Gravity (H2O=1)	1.98
pH Value	3.4-3.7 (saturated solution)
Vapour Pressure	Not applicable
Flash Point	Not applicable
Flammability	Not readily combustible. Will burn under fire conditions. Dry, fine powder may form an explosive organic dust cloud in dry air.
Ignition Temperature	Not available
Flammable Limits LEL	May form an explosive organic dust cloud in dry air.
Molecular Weight	188.18
Other Information	SOLUBILITY: Slightly soluble in cold water (4 g/L at 10°C; 6 g/L at 20°C). Soluble in boiling water (62 g/L at 100°C). Readily soluble in dilute mineral acids, alkali solutions as these will react with the Bitartrate either to the acid or the salt. Soluble in Borax solutions. Insoluble in alcohol. BULK DENSITY: 700-750 kg/m3



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10. STABILITY AND REACTIVITY

Stable in closed containers.
CONDITIONS TO AVOID: Avoid excessive heat and ignition sources where fine dry dust clouds are formed.
INCOMPATIBLE MATERIALS: Strong oxidizing agents. Reacts vigorously with Bicarbonate solutions producing foam and Carbon Dioxide gas. Reacts with acids and alkalis to form tartaric acid or alkaline tartrate salt.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.
HAZARDOUS POLYMERISATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No harmful effects are indicated.
Lowest Acute Oral Toxicity LD₅₀ (rat): 22000 mg/kg

Inhalation May cause irritation when inhaled.

Ingestion Not harmful if swallowed in small amounts. May cause irritation in large doses. Has laxative properties in large doses.

Skin Treat as a nuisance dust. May cause slight skin irritation.

Eye May cause slight eye irritation and mechanical irritation.

Chronic Effects The dust may cause skin irritation over long periods of exposure.

12. ECOLOGICAL INFORMATION

This substance is not expected to be hazardous to the environment.
Avoid contaminating waterways.
Biological Oxygen Demand BOD₅: 0.35 gm O₂/gm
Chemical Oxygen Demand COD : 0.42 gm O₂/gm

13. DISPOSAL CONSIDERATIONS

DISPOSAL: In accordance with Local, State & Federal EPA waste regulations.

14. TRANSPORT INFORMATION

Not defined as a Dangerous Good: by the Australian Code for the Transport of Dangerous Goods by Road & Rail; by the IATA Air Transport Dangerous Goods Regulations; or by the IMDG (International Maritime Dangerous Goods) Code.

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

Storage and Transport

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled Other: Not Scheduled

Packaging & Labelling Not a Dangerous Good, Workplace Hazardous Substance or Scheduled Poison.

16. OTHER INFORMATION



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Contact Person/Point For EMERGENCIES ONLY Contact : 1800 033 111 (All Hours Australia)
0800 734 607 (All Hours New Zealand)

Amtrade International Pty Ltd: 61 3 9229 9229 (Melbourne)
61 2 9805 4200 (Sydney)
Amtrade New Zealand Limited : 64 9 579 6767 (Auckland)

NOTE: This MSDS summarises our best knowledge of the health and safety hazard information on the product, and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company, or in the event of an emergency, the Emergency Response number above.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Empirical Formula & C4-H4-O6.HK

Structural Formula

User Codes

Prepared by
Authorised by
NZ Schedule Poison S
...End Of MSDS...

User Code

JS0408-C

D.Latta

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