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| Infosafe No™ 1CH5G | Issue Date : August 2021 | RE-ISSUED by CHEMSUPP |
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Product Name **POTASSIUM HYDROGEN TARTRATE**

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** POTASSIUM HYDROGEN TARTRATE

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

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Food additive; additive in baking powder and baking mixes; manufacture of hard candies; medicine; galvanic tinning of metals, colouring metals; reducer of chromium trioxide in mordants for wool; dusting powder on gloves; removal of sulfur dioxide from waste gases; metal processing agent to prevent oxide formation; chemical intermediate for potassium antimony tartrate, potassium sodium tartrate, potassium borotartrate and laboratory reagent.

| <b>Other Names</b> | <u><b>Name</b></u>             | <u><b>Product Code</b></u> |
|--------------------|--------------------------------|----------------------------|
|                    | POTASSIUM HYDROGEN TARTRATE    | PP027                      |
|                    | Potassium bitartrate           |                            |
|                    | Cream of tartar                |                            |
|                    | Potassium acid tartrate        |                            |
|                    | Acid potassium tartrate        |                            |
|                    | POTASSIUM HYDROGEN TARTRATE AR | PA027                      |

**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** Not classified as hazardous according to the criteria of Hazardous Substances Information System (HSIS), Safe Work Australia.  
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

## 3. Composition/information on ingredients

| <b>Ingredients</b> | <u><b>Name</b></u>          | <u><b>CAS</b></u> | <u><b>Proportion</b></u> |
|--------------------|-----------------------------|-------------------|--------------------------|
|                    | Potassium Hydrogen Tartrate | 868-14-4          | 100 %                    |

## 4. First-aid measures

**Inhalation** Remove victim to fresh air. Seek medical advice if effects persist.

**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 affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

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| <b>Eye contact</b>          | Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention |
| <b>First Aid Facilities</b> | Maintain eyewash fountain and safety shower in work area.  |
| <b>Advice to Doctor</b>     | Treat symptomatically based on judgement of doctor and individual reactions of the patient.  |
| <b>Other Information</b>    | For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.   |

## 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>               | No limitations to the type of extinguishing media.   |
| <b>Hazards from Combustion Products</b>           | Carbon monoxide and carbon dioxide, some metallic oxides.  |
| <b>Specific Methods</b>                           | Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam.<br>Large fire: Use water spray, fog or foam.<br>If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. May burn but do not ignite readily. |
| <b>Specific hazards arising from the chemical</b> |  |
| <b>Decomposition Temp.</b>                        | > 250 °C   |
| <b>Precautions in connection with Fire</b>        | Wear SCBA and structural firefighter's uniform.  |

## 6. Accidental release measures

|   |  |
|---|--|
| <b>Personal Precautions</b>               | Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.   |
| <b>Personal Protection</b>                | Wear protective clothing specified for normal operations (see Section 8)   |
| <b>Clean-up Methods - Small Spillages</b> | Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations. |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for Safe Handling</b>                                | Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Minimize dust generation and accumulation. Keep away from heat and all sources of ignition. Keep away from incompatibles such as oxidizing agents. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Keep well closed and protected from direct sunlight and moisture. Keep away from heat and all ignition sources - Do not smoke. Store away from oxidizing agents.  |
| <b>Storage Temperatures</b>   | 24 °C Maximum.   |

## 8. Exposure controls/personal protection

|   |   |
|---|---|
| <b>Other Exposure Information</b>       | 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/m <sup>3</sup> . All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. |
| <b>Appropriate engineering controls</b> | Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances  |

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| <b>Respiratory Protection</b>        | at the source, or other methods.<br>Usually is not required.<br>Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. |
| <b>Eye Protection</b>                | 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.  |
| <b>Hand Protection</b>               | Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.   |
| <b>Personal Protective Equipment</b> | 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.   |
| <b>Footwear</b>                      | Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.  |
| <b>Body Protection</b>               | Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.  |
| <b>Hygiene Measures</b>              | 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

|   |   |
|---|---|
| <b>Form</b>                                 | Solid   |
| <b>Appearance</b>                           | White crystalline powder or colourless crystals.  |
| <b>Odour</b>                                | Odourless.  |
| <b>Decomposition Temperature</b>            | > 250 °C  |
| <b>Melting Point</b>                        | 250 °C (decomposes)   |
| <b>Solubility in Water</b>                  | Soluble.  |
| <b>Solubility in Organic Solvents</b>       | Insoluble in alcohol.   |
| <b>Specific Gravity</b>                     | 1.984 @ 18 °C   |
| <b>pH</b>                                   | pH 3.4 - 3.7 (0.5% solution, 20 °C).  |
| <b>Volatile Component</b>                   | 0 %vol @ 21 °C  |
| <b>Flammability</b>                         | Combustible.  |
| <b>Explosion Properties</b>                 | May form an explosive organic dust cloud in dry air.  |
| <b>Molecular Weight</b>                     | 188.18  |
| <b>Solubility in other solvents (kg/m3)</b> | Soluble in borax solutions. Readily soluble in dilute mineral acids, alkali solutions as these will react with the bitartrate either to the acid or the salt. |
| <b>Other Information</b>                    | Taste: pleasant, slightly acid taste.   |

## 10. Stability and reactivity

|                            |  |
|----------------------------|--|
| <b>Chemical Stability</b>  | Stable under ordinary conditions of use and storage. |
| <b>Conditions to Avoid</b> | Excess heat, incompatibles, dust generation.         |

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| <b>Incompatible Materials</b>             | Strong oxidizers, strong bases.     |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides and Potassium oxides. |
| <b>Possibility of hazardous reactions</b> | Reactive with oxidizing agents.     |
| <b>Hazardous Polymerization</b>           | Will not occur.                     |

## 11. Toxicological Information

|                                      |   |
|--------------------------------------|---|
| <b>Ingestion</b>                     | Not harmful if swallowed in small amounts. May cause irritation in large doses. Has laxative properties in large doses. |
| <b>Inhalation</b>                    | May cause respiratory tract irritation.   |
| <b>Skin</b>                          | Treat as a nuisance dust. May cause slight skin irritation.   |
| <b>Eye</b>                           | Direct contact with eyes may cause temporary irritation.  |
| <b>Respiratory sensitisation</b>     | Not classified based on available information.  |
| <b>Skin Sensitisation</b>            | Not classified based on available information.  |
| <b>Germ cell mutagenicity</b>        | Not classified based on available information.  |
| <b>Carcinogenicity</b>               | Not listed in the IARC Monographs.<br>Not classified based on available information.                                    |
| <b>Reproductive Toxicity</b>         | Not classified based on available information.  |
| <b>STOT-single exposure</b>          | Not classified based on available information.  |
| <b>STOT-repeated exposure</b>        | Not classified based on available information.  |
| <b>Chronic Effects</b>               | The dust may cause skin irritation over long periods of exposure.   |
| <b>Serious eye damage/irritation</b> | Not classified based on available information.  |
| <b>Skin corrosion/irritation</b>     | Not classified based on available information.  |

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecological Information</b>        | No ecological problems are to be expected when the product is handled and used with due care and attention.  |
| <b>Ecotoxicity</b>                   | Quantitative data on the ecological effect of this product are not available.  |
| <b>Persistence and degradability</b> | BOD5: 0.350 g/g; COD: 0.425 g/g.<br>Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.<br>Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic. |

## 13. Disposal considerations

|                                |   |
|--------------------------------|---|
| <b>Disposal Considerations</b> | Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations. |
|--------------------------------|---|

## 14. Transport information

|                              |  |
|------------------------------|--|
| <b>Transport Information</b> | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
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## 15. Regulatory information

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**Regulatory Information**      All the constituents of this product are listed on the Australian Inventory of Chemical Substances ( AICS ), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

**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:**  
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**Empirical Formula & Structural Formula**      Empirical Formula: C4H5KO6.  
Structural Formula: KO2CCH(OH)CH(OH)CO2H.

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