

Material Safety Data Sheet CREAM OF TARTAR

Section 1 - Product Identification

Synonyms : Tartaric Acid Monosodium Salt, Potassium Bitartrate, Potassium Hydrogen Tartrate, Potassium Acid Tartrate
Molecular Weight : 188.18 g/mol
Chemical Formula : $C_4H_5KO_6$
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Recommended use of the chemical and restrictions on use

The product is used in industrial manufacturing and commercial use, particularly in :

- pH regulator and tartaric acid stabilizer in wine production,
- Additive in food,
- Leavening agent for baking powder
- Cosmetic, Pharmaceutical, Laboratory & Metal Products

Section 2 – Composition/Information on Ingredients

The product contains greater than 99.9 percent (%) cream of tartar (potassium bitartrate)

Chemical Name	EC No/CAS No	Purity, %
Cream Of Tartar (Potassium Bitartrate, Potassium Acid Tartrate, L(+) Potassium Hydrogen Tartrate, Monopotassium Salt of L-2,3- dihydroxybutanedioic acid)	868-14-4	min. 99.9

Section 3 – Hazards Identification

3.1 Classification of the substance according to GHS

Cream of Tartar is not classified as dangerous

Classification according to EC REG. No. 1272/2008: Not qualified

Classification according to REG. 67/548 / EEC and 1999/45 / EC: Not qualified

Physiochemical hazards: None identified **Hazards for humans:** None Identified

Dangerous for animals and the environment: None Identified

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Eye Irrigate with copious quantities of water for atleast 15 minutes, lifting eyelids occasionally. Seek medical attention.

Skin Remove any contaminated clothing and wash off with soap and water. If any symptoms arise seek medical attention.

Inhalation Move to a well-ventilated area. Seek medical attention if symptoms persist.

Swallowed Rinse mouth with water. Do not induce vomiting. Seek medical attention.

4.2 Personal protection for first aid responders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

4.3 Symptoms caused by exposure

Inhalation May cause respiratory irritation and coughing.

Skin Unlikely to cause irritation.

Eye May cause eye irritation, tearing, pain and redness.

Swallowed Unlikely to cause irritation.

4.4 Medical attention and special treatment

Treat symptomatically.

Section 5 – Fire Fighting Measures

5.1 Extinguishing Media

Suitable Water, fog, foam, dry chemical powder, carbon dioxide. When choosing extinguishing equipment be aware of any potential hazard(s), example electrical.

Unsuitable Anything that could spread the fire and or risk the safety of surrounding personnel.

5.2 Specific hazards arising from the chemical

Combustible solid, will readily burn under fire conditions. The finely divided dust, in sufficient quantity may form flammable/explosive mixture with air. Dust clouds may present an explosion hazard in the presence of an ignition source. Product may emit toxic and/or irritating fumes, smoke and gases including oxides of carbon and nitrogen.

5.3 Specific protective equipment and precautions for fire fighters

Self-contained breathing apparatus (SCBA) in positive pressure mode and full protective clothing (PPE) must be worn in case of fire.

5.4 General fire hazards

Water spray may be used to cool down heat exposed containers.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away and upwind of spill. Remove all sources of ignition and increase ventilation. Wear appropriate protective equipment and clothing during clean up. Dampen spill to minimise generation of dust or use dustless collection like vacuum. Contain spill to prevent contamination to drains / water ways. Local authorities should be contacted if spill cannot be contained. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations. Heed advice under Section 8 "Personal Protection".

For emergency responders

Keep unnecessary people away. Wear appropriate dust/particulate respirator and full protective clothing. Do not breath dust and ensure adequate ventilation. Avoid generating dust. Heed advice under Section 8 “Personal Protection”.

6.2 Environmental precautions

Avoid discharge to drains, water ways or onto the ground.

6.3 Methods and materials for containment and clean up

Large spills – Avoid or minimise dust. Use industrial vacuum to clean up spill. If vacuuming is not workable then wet mop is acceptable or dampen spill to minimise dust. Collect and seal in a bag or container that prevents fibre or dust emission and properly label for disposal in accordance with local regulations. Small spills – Clean up with wet cloth or mop. Never return spills to original container for re-use.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Wear appropriate personal protective equipment. Observe good industrial hygiene practices to avoid skin or eye contact and inhalation of dust. Use only in well ventilated area. Use equipment that helps to minimise dust. Any equipment that does generate dust, needs to have exhaust extraction or other effective local extraction. Work areas should be cleaned regularly to remove any build-up of fibres and/or dust. Always wash hands after use. Do not eat, smoke or drink when handling this product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, sheltered location away from direct sunlight, heat and sources of ignition. Take precautions against static electricity discharge. Use proper grounding procedures. Keep containers tightly closed at all times when not in use. Store in clearly labelled containers.

Section 8 – Exposure Controls/Personal Protection

8.1 Occupational exposure limits (OEL's)

No OEL's noted for this product.

8.2 Biological limit values

No biological exposure values noted for this product.

8.3 Appropriate engineering controls

Use in a well-ventilated area. If required use local exhaust ventilation.

8.4 Individual protection measures, for example personal protective equipment (PPE)

Eye protection

Wear safety goggles that protect against dust.

Skin protection

Wear impervious gloves.

Respiratory protection

Wear an appropriate dust mask that meets relevant Australian standards.

8.5 Hygiene measures

Use and maintain good industrial hygiene. Always wash hands after use. Routinely wash and maintain safety equipment and clothing. Do not eat, smoke or drink when handling this product.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	White powder.
Odour	Odourless
Odour threshold	Not available
pH	Slightly acidic
Melt point	160oC with decomposition
Hardening time	30 – 60 minutes
Flash point	Not available
Flammability	Combustible solid
Vapour Pressure	Not available
Vapour Density	Not available
Relative density	Not available
Solubility in water	0.6g/100ml at 25oC
Specific Gravity	1.956

Section 10 – Stability and Reactivity

10.1. Reactivity

This product is considered non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

This product is considered stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur

10.4. Conditions to avoid:

Dust accumulation, heat and other sources of ignition.

10.5. Incompatible materials

Strong oxidising agents and strong bases.

10.6. Hazardous decomposition products

Product may emit toxic and/or irritating fumes, smoke and gases including oxides of carbon and nitrogen.

Section 11 – Toxicological Information

11.1. Information on toxicological effect

Inhalation	Minor irritation may be expected in some individuals.
Skin contact	Minor irritation may be expected in some individuals.
Eye contact	Minor irritation may be expected in some individuals.
Ingestion	Expected to be low ingestion hazard.

11.1.1. Substances

Acute toxicity⁽²⁾

Inhalation	May cause respiratory irritation and coughing.
Skin	May cause irritation, redness itching.
Eye	May cause mechanical irritation, tearing, pain and redness.
Ingestion	May cause gastrointestinal irritation, nausea and vomiting.

Skin corrosion / irritation

Based on classification principles, the classification criteria are not met.

Serious eye damage / irritation

Based on classification principles, the classification criteria are not met.

Respiratory or skin sensitization

Based on classification principles, the classification criteria are not met.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Aspiration hazard

Based on classification principles, the classification criteria are not met.

Reproductive toxicity

Based on classification principles, the classification criteria are not met.

Additional Information

This product does NOT contain, Egg, dairy, soy, seafood, shellfish, wheat or peanut products, by-products or derivatives.

Section 12 – Ecological Information

Ecotoxicity

No specific data is available for this product. However, do not release this product or any water contaminated with this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminant in accordance with local landfill or incineration regulations.

Persistence and degradability

No specific data available.

Bio accumulative potential

No specific data available.

Mobility in soil

No specific data available.

Section 13 – Disposal Considerations

13.1. Disposal methods

Dispose of this product and any water contaminated with this product in accordance with local regulations.

13.2. Contaminated packaging

The container in which the product is/was contained should also be disposed of in accordance with local regulations.

Section 14 – Transport Information

ADG

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Special Precautions

No special precautions or requirements for transport

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations

This Safety Data Sheet was prepared in accordance with Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

15.2 Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not allocated

AICS

All components are listed in the Australian Inventory of Chemical Substances.

Section 16 : Additional Information

16.1 NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

Label Hazard Warning: As part of good industrial and personal hygiene and safety procedure,

avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

Revision Information:

SDS Revision Date: March 4, 2016

16.2. Disclaimer of Liability

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