

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name	Cream of tartar
Chemical name	Potassium bitartrate
Chemical formula	C ₄ H ₅ O ₆ K
Synonyms	Potassium acid tartrate; Potassium hydrogen tartrate; Potassium tartrate monobasic; Monopotassium tartrate; L-2,3-dihydroxybutanedioic acid
Product description	Natural cream of tartar produced from sediments obtained as a by-product of the wine industry. It is the mono potassium salt of L-(+)-tartaric acid, which is the fruit acid characteristic of grapes (<i>Vitis Vinifera</i>).
CAS number	868-14-4
EC number	212-769-1
Product use	Food additive [E336i] Pharmaceutical excipient

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	No hazards classified
Label elements	Pictogram: No pictogram Signal word: No signal word Hazard statement: No known significant effects or critical hazards
Hazards not classified	May cause irritation in case of skin contact, of eye contact, of ingestion, of inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization	Substance								
Composition	<table><thead><tr><th>Ingredient</th><th>Chemical formula</th><th>Molecular weight g/mol</th><th>Weight %</th></tr></thead><tbody><tr><td>Cream of tartar</td><td>C₄H₅O₆K</td><td>188.18</td><td>100</td></tr></tbody></table>	Ingredient	Chemical formula	Molecular weight g/mol	Weight %	Cream of tartar	C ₄ H ₅ O ₆ K	188.18	100
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4. FIRST-AID MEASURES

Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin contact	Wash with soap and water. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

5. FIRE-FIGHTING MEASURES

General information	Move all people away and stay upwind of the fire. Do not enter closed rooms without adequate protection.
Suitable extinguishing media	The choice of extinguishing media should consider the other materials involved in the fire.
Specific hazards arising from the chemical	No relevant information not available
Special protective actions for fire-fighters	Use protective gear and breathing apparatus appropriate for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate personal protective equipment (see section 8).
Environmental precautions	Avoid release to the environment. Collect spillage. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Dispose of contents/container in accordance with local/regional/national/international regulations.
Methods for cleaning up	<p>Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.</p> <p>Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</p>

7. HANDLING AND STORAGE

Handling	Keep away from sources of ignition. Ensure adequate ventilation, especially in confined areas, to minimize dust generation and accumulation. Avoid ingestion, inhalation, skin
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	and eye contact. Wash hands after use.
Storage	Keep container closed when not in use. Store in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	Not listed in Annexure 1 of Hazardous Chemical Substances Regulations, 1995, issued under the Occupational Health and Safety Act (Act No. 85 of 1993).
Engineering controls	Use in a well-ventilated area
Personal protective equipment	<p>Eye protection: safety glasses or chemical goggles</p> <p>Skin protection: protective gloves and skin-covering clothing</p> <p>Respiratory protection: dust mask under normal conditions</p> <p>In case of large spill: splash goggles, full suit, dust respirator, protective boots and protective gloves</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid (powdered)
Colour	White
Odour	Mild, characteristic scent of baking powder
Melting point/freezing point	Not available
Boiling point	Not available
Flammability	Not available
Lower and upper explosion limit/ flammability limit	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	3.5 (saturated, aqueous solution)
Kinematic viscosity	Not available
Solubility	Slightly soluble in water
Partition coefficient (n-octanol/water)	Not available
Vapour pressure	Not available

Relative vapour density	Not available
Density	Not available
Particle characteristics	Standard particle distribution: max 10 % \geq 150 μ m

10. STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None known under normal conditions
Conditions to avoid	Excessive heat, incompatibles
Incompatible materials	Reactive with oxidizing agents
Hazardous decomposition products	No relevant information available

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Inhalation, ingestion
Symptoms related to the physical, chemical and toxicological characteristics	No relevant information available
Delayed and immediate effects and also chronic effects from short and long term exposure	No relevant information available
Numerical measures of toxicity	LD50: Not available LC50: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No relevant information available
Persistence and degradability	No relevant information available
Bioaccumulative potential	No relevant information available
Mobility in soil	No relevant information available
Other adverse effects	Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with relevant local/regional/national/international regulations or contact Brenn-O-Kem.

14. TRANSPORT INFO

UN number	None allocated
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazard	Not applicable
Transport in bulk according to IMO instruments	Not applicable
Special precautions	None

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question are not available.

16. OTHER INFORMATION

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC: European Community

IMO: International Maritime Organization

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

UN: United Nations