



Specification

Product Name: Cream Of Tartar
Product Code: SPEC0240

Description:

Our Cream of Tartar is a premium quality food-grade powder. Also known as Potassium Bitrate. It can be used in baking to add volume and stability to meringues and souffles, it will prevent whipped cream from destabilizing and add a creaminess to frostings. When making meringue a small amount speeds up the creation of foam and helps stabilize the structure, which in turn creates more volume. It prevents sugar from crystallizing and acts as a leavening agent for baked goods. Used together with Sodium Bicarbonate it will produce a baking powder. A pinch of Cream of Tartar added to your water when boiling vegetables will help them to retain their fresh colour. A common use away from cooking is its use in creating playdough for children.

Specifications:

	Specifications
Description	Must accomplish GCC9
Identification	Must accomplish A, B, C, FCC9
Assay (Dry basis)	99.0 – 101.0%
Loss On Drying	Max 1%
Arsenic (ppm As)	Max 3 ppm
Iron (ppm Fe)	Max 15 ppm
Lead (ppm Pb)	Max 2 ppm
Mercury (ppm Hg)	Max 1 ppm
Ammonia	c/test FCC9
Calcium (ppm Ca)	Max 40 ppm
Insoluble Matter	c/test FCC 9
Sieve Analysis	Under 250 microns 99.5%

This product complies with specifications FCC9 and European Directive 231/2012.

Raw material origin: European

Ingredients:

Potassium Bitartrate (E336)

Dietary Information:

Suitable for Vegans & Vegetarians, Non-GMO, Gluten Free, Non-Irradiated.

Nutritional Information:

Based on typical content/100g: Energy: 1348.1kj/317.2kcal, Fat: 0g, Carbohydrates: 79.3g, Of which sugars: 0g.

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Storage:

Please store in dry, cool conditions and not in direct sunlight.

Packaging:

Size	EAN
100g	5056191011658
250g	5056191011665
500g	5056191011672
5kg	5056191011689
10kg	5056191011696

Shelf Life:

60 months from production date.

Allergen Declaration

Allergen	Contains (Y/N)
Cereals containing Gluten	N
Crustaceans	N
Eggs	N
Fish	N
Peanuts	N
Soybeans	N
Milk	N
Nuts	N
Celery	N
Mustard	N
Sesame Seeds	N
Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide)	N
Lupin	N
Molluscs	N

Material Safety Data Sheet**1: Product and Company Identification:****1.1 – Substance Identification**

Potassium Bitartrate L (+)

Synonyms: Cream of Tartar, Potassium Hydrogen Tartrate, Potassium Bitartrate

1.2 – Uses of the substance

pH regulator and tartaric stabilizer in production of wines and as leavening agent for baking powder specially.

1.2 – Uses according to REACH Registration

pH regulating agent, fillers, putties, plasters, modelling clay, hydraulic fluids, processing aids such as pH-regulators, flocculants, precipitants, neutralization agents, laboratory chemicals, lubricants, greases, release products, photo-chemicals, water softeners, water treatment chemical, extraction

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agents, metal surface treatment products, explosives, metal working fluids, paper and board treatment products, plant protection products, polishes and wax blends, textile dyes, and impregnating products, welding and soldering products, flux products, ink and toners, perfumes and fragrances, pharmaceuticals, washing and cleaning products, cosmetic and personal care products.

1.4 – Suppliers Details

Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246 906247.

E-mail address: <https://specialingredients.co.uk/pages/contact>.

1.5 – Emergency telephone number

Emergency Telephone Contact: 07701 095864.

2: Hazard Identification:

2.1 – Classification of the substance or mixture

GHS classification:

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals.

Physicochemical hazards: none identified.

Hazards for human: none identified.

Hazards for animals and the environment: none identified.

2.2 – Label elements

GHS symbol: Not classified

No need for a pictogram, pursuant to EC REG. N° 1272/2008.

Prevention: P280: wear protective gloves, protective clothing, eye protection, face protection

P261: Avoid breathing dust, fume, gas, mist, vapours, spray

P262: Do not get in eyes, on skin, or on clothing

2.3 – Other hazards

No information available.

3: Composition and Information on Ingredients:

Potassium Bitartrate with assay similar or superior to 99.5 %

Chemical name: Monopotassium SALT of L-2,3-dihydroxybutanedioic acid

CAS NUMBER: 868-14-4

EINECS NUMBER: 2127691

EU N°: E-336i. Food additive.

Molecular weight: 188.18 g/mol

Formula: C₄H₅KO₆

Potassium hydrogen tartrate is a naturally occurring salt of L-tartaric acid. It is an approved GRAS food additive.

4: First Aid Measures:

4.1 – Description of first aid measures

Skin contact: In case of contact with skin, wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

Eyes contact: Rinse thoroughly with plenty of water, use alkaline eye drops and consult an ophthalmologist.

Ingestion: In the event of an ingestion, take sodium bicarbonate in moderate doses and seek medical advice.

Inhalation: Breathe fresh air, if necessary, use a mask and seek medical advice.

4.2 – Main symptoms and effects

May be irritant to eyes, skin and mucous membranes.

4.3 – Indication of any immediate medical attention and special treatment needed

Call a doctor in case of exposure.

5: Firefighting Measures:

5.1 – Extinguishing media

Adequate extinguishing means: Water under pressure. Foam. Carbonic gas. Dry powder.

Inadequate means: None especially remarkable is known.

5.2 – Special hazards arising from the substance or mixture

In case of fire, gas and hazardous vapours may be formed.

5.3 – Advice for firefighters

Protective clothing for firefighting: it is recommended a mask breathing apparatus and suitable fireproof suit.

Additional information: Water for extinction must not arrive to sewers, to ground nor water. Provide enough devices for extinction water retention. Fire rests and extinction water contaminated must be eliminated according to current local laws.

6: Measurement to be taken in case of accidental dumping:

Any special precaution is necessary to be taken.

In case of special sensitivity to the product, use safety glasses, closed clothes and masks for powder.

Remove or aspire the dumping and put it in an adequate container to be eliminated.

Other information: Dispose of contaminated materials in accordance with current regulations.

7: Handling And Storage:

7.1 – Precautions for safe handling

In case of special sensitivity to product, use close clothes that cover the most part of body (not use contact lens), latex gloves and mask to avoid the powder.

After having used the product, especially if it is powder, wash with abundant water.

7.2 – Conditions for safe storage, including possible incompatibilities

Store in a fresh (25 °C) and dry area (<80 HR).

8: Exposition / Personal Protection Controls:

Limit values to be controlled in workplace: No determined

Personal protection: None

Breath protection: Any protective special equipment is required. If powder appears: Mask against powder with particles P2 filter

Hand Protection: Wear protective gloves manufactured with the following materials: Cloth, latex, leather.

Eyes protection: Protective glasses with lateral covers. If powder appears grille glasses.

Skin and body protection: Use clothes that cover completely body to avoid possible irritations on skin.

Hygiene measurements: Not eat, nor drink, not to smoke during its utilisation. Before pauses and after having concluded work, wash hands and/or face. Wash clothes contaminated before being used again.

9: Physical and Chemical Properties:

Physical state: solid

Appearance/colour: powder or small white crystals.

Odour: No odor

Chemical formula: $C_4H_5KO_6$

Molecular weight: 188.18

Boiling point: Not described in any bibliography.

Specific heat (20°C): 0,288 cal/mg/°C

Solubility in water:

- At 10°C: 4g/1000ml
- At 100 °C: 61 g/1000ml

pH (1%) in water: 3.3 – 3.5

Specific density 20°C: 1,2 g/ml

Specific rotation: Watery solution 20/00, 20°C, 589,2nm. (+32,5° at +35,5°)

Combustion Heat:

275,1 Kcal/mol.

Refraction Index: 1.511

Crystals form: Prisms in shape of rhombuses.

Melting Point: 230 °C

10: Stability and Reactivity:

In normal conditions, it is TOTALLY STABLE to the air and to the light.

IT IS NOT HIGROSCOPIC, NOT EFLUORECENT.

INCOMPATIBILITIES: In a watery solution mixed with CARBONATES, it produces abundant foam with leak of CARBONIC ANHIDRID (CO_2).

DECOMPOSITION DANGER: NOT-EXISTENT in normal conditions.

POLYMERITATION: NOT-EXISTENT in normal conditions.

STORAGE CONDITIONS: Store in a dry place away from toxic products.

11: Toxicological Information:

11.1 – Information on toxicological efforts

This product IS NOT TOXIC.

LD50/LC50 : oral-rat LDLo: 22g/kg

Recommended human dose: 0.38 mg/kg weight

Carcinogenicity: Not described any risk in this field.

Mutagenicity: Not described any risk in this field.

Main ways of absorption: Inhalation, mucous membranes, consumption.

12: Ecological Considerations:

Behaviour in environment: It is biodegradable.

Ecotoxic effects: Unknown with concentrations that present.

13: Disposal considerations:

Product: Could be incinerated using a post burner and gases picker.

Packaging: Those in paper and plastic could be incinerated.

14: Transport Information:

Surface transport: Special precautions are not necessary.

Sea transport by vessel: Special precautions are not necessary.

Air transport: Special precautions are not necessary.

15: Regulatory Information:

Signposting and labelling according to CEE regulations.

The substance is a food additive and can be labelled like this.

A special precautionary labelling is not compulsory.

16: Other Information:

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. We do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.