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- CREAM OF TARTAR (Potassium Bitartrate)
- ROCHELLE SALTS (Potassium Sodium Tartrate)

## SAFETY DATA SHEET

### CREAM OF TARTAR

REVISED: 2012

According with the EC REGULATION No.1907/2006 and EC  
REGULATION No. 453/2010  
C&L Notification Reach. Submission number: GU947793-01

**PRODUCT: CREAM OF TARTAR (POTASSIUM HYDROGEN TARTRATE)**

#### 1.-PRODUCT AND COMPANY IDENTIFICATION

##### 1.1 PRODUCT IDENTIFICATION

Potassium Bitartrate L (+)

Synonymes: Cream of Tartar, Potassium Hydrogen Tartrate, Potassium bitartrate.

##### 1.2. UTILISATION OF PRODUCT

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

##### 1.3. COMPANY IDENTIFICATION

Manufacturer

TARTAROS GONZALO CASTELLÓ, S. L.

- CREAM OF TARTAR (Potassium Bitartrate)
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E-mails: sales@tartaric.com  
**2.- DANGER IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Based on available data , it is not a dangerous product according to law for Chemical products and regulations for dangerous products currently in force.

Physical and chemical danger: None

Danger for Human use: None

Danger for Animal and environment: None

**2.2 LABEL ELEMENTS**

Classification pursuant to EC REG. No. 1272/2008

**2.3 OTHER HAZARDS.**

No information available.

**3.- COMPOSITION/INFORMATION ON INGREDIENTS**

Potassium Bitartrate with assay similar or superior to 99,5 %

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

CAS NO: 868-14-4

EINECS NO: 2127691

CEE NO.: E-336i. Food Additive

Molecular weight: 188,16 g/mol

Formula : C<sub>4</sub>H<sub>5</sub>O<sub>6</sub>K

**4.- FIRST AIDS**

**4.1 FIRST AID MEASURES DESCRIPTION**

**SKIN:** Wash area with abundant water, in case of rash. If serious, ask for medical attention.

**EYES:** First , wash your eyes with abundant water, use an alkaline eye drops and consult to an ophthalmologist.

**INGESTION:** If product is consumed, take sodium Bicarbonate in moderate doses and ask for medical attention.

**INHALATION:** Breathe fresh air, if necessary use a mask and ask for medical attention.

**4.2 MAIN SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

May be irritant to eyes, skin and mucous membranes.

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#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.

Call a doctor in case of exposure

### **5.- MEASURE AGAINST FIRE**

#### 5.1 EXTINGUISHING MEDIA

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

Inadequate means: No one specially 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 FIRE-FIGHTERS

Protection clothes against fire: mask of autonomous breath and adequate ignifuge clothes are suggested.

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.-MEASUREMENTS TO BE TAKEN IN CASE OF ACCIDENTAL DUMPING**

#### Precautions in case of 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.

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## **7.- HANDLING AND STORAGE**

**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, specially if it is powder, wash with abundant water.

**Storage :** Fresh place (< 25°C) and dry (<80 % HR)

## **8.-EXPOSITION/PERSONAL PROTECTION CONTROLS**

### **Limit values to be controled in work place**

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 posible 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.

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## **9.-PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: Solid  
Aspect/Colour: powder or small white crystals  
Odor: 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: 3,5-3,6

### Specific density at 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

### Crystal form

Prisms in shape of rhombuses.

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## **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<sub>2</sub>).

### Descomposition danger

NOT-EXISTENT in normal conditions.

### Polymeritation

NOT-EXISTENT in normal conditions.

### Storage conditions:

Store in a dry place away from toxic products.

## **11.-TOXICOLOGIC INFORMATION**

This product is NOT TOXIC.

### Dose recommended for Human use

0,38 mg/kg weight.

### Carcinogenic

Not described any risk in this field

### Mutagenic:

Not described any risk in this field.

### Main absortion ways:

Inhalation, mucous membranes, consumption

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## **12.-ECOLOGIC INFORMATION**

Behaviour in environment: it is biodegradable.  
Ecotoxic effects: unknown with concentrations that present.

## **13.-CONSIDERATIONS ABOUT ELIMINATION**

Product: could be incinerated using a postburner and gases picker.

Packaging: those in paper and plastic could be incinerated.

## **14.- INFORMATION RELATED TO TRANSPORT**

Surface transport: Special precautions are not necessary.  
Sea transport by vessel: Special precautions are not necessary.  
Air transport: Special precautions are not necessary.

## **15.-REGULATION 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.- ADITIONAL INFORMATION**

Information mentioned in this document is based on the current status of our knowledgements and try to describe our product from point of view of requirements for safety, health and environment.

Tartaros Gonzalo Castelló, S.L. thinks that information provide is exact and reliable in date of issue of this safety sheet, but do not accept responsibilities, nor warrant, specifically or implicitly its accuracy, veracity or that information is complete, and that data included in this safety can not be considered as warranty in legal sense because of those Tartaros Gonzalo Castello, S.L. takes legal responsibility.

We have to point that typical properties mentioned in this safety sheet are for informative purpose and they are not any specification.