Safety Data Sheet
Cream of Tartar (Potassium Hydrogen Tartrate)
Tártaros Gonzalo Castelló S.L.
03660 Novelda (Alicante – Spain)
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According with the EC REGULATION No.1907/2006 and EC REGULATION No. 453/2010
C&L Notification Reach. Submission number: GU947793-01

SECTION 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.

1.3 COMPANY IDENTIFICATION
Company
TÁRTAROS GONZALO CASTELLÓ S.L.

Address
Calle Concepción Arenal, 32
03660-Novelda (Alicante). Spain.
Telephone 965602489
www.tartaric.com

Email address
vabad@tartaric.com

1.4 EMERGENCY TELEPHONE NUMBER
+ 34 96 560 24 89  + 34 96 560 63 50

SECTION 2: HAZARDS IDENTIFICATION
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Based on the data we have, the product is not a hazardous material, according to the law on chemicals and provisions about
hazardous materials currently in effect.

Physicochemical hazards: none identified.
Hazards for human: none identified.
Hazards for animals and the environment: none identified.

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

2.3 OTHER HAZARDS
No information available.

SECTION 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 NUMBER: 868-14-4
EINECS NUMBER: 2127691
EU N°: E-336i. Food additive.
Molecular weight: 188.18 g/mol
Formula: C4H8K4O6

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SECTION 4: FIRST AID MEASURES

4.1 FIRST AID MEASURES DESCRIPTION
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.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA
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
Protective clothing for fire-fighting: 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.

SECTION 6: MEASUREMENTS 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.

SECTION 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, specially 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).

SECTION 8: EXPOSITION / PERSONAL PROTECTION CONTROLS
Limit values to be controlled 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

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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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid
Appearance/colour: powder or small white crystals.
Odour: No odor
Chemical formula: CaH₂KO₆
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 20°C
1.2 g/ml

Specific rotation
Watery solution 2o/oo, 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.
SECTION 10: STABILITY AND REACTIVITY
In normal conditions, it is TOTALLY STABLE to the air and to the light.
IT IS NOT HYGROSCOPIC, NOT EFLUORECENT.

INCOMPATIBILITIES
In a watery solution mixed with CARBONATES, it produces abundant foam with leak of CARBONIC ANHIDRID (CO2).

DECOMPOSITION DANGER
NOT-EXISTENT in normal conditions.

POLYMERITATION
NOT-EXISTENT in normal conditions.

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

SECTION 11: TOXICOLOGIC INFORMATION
11.1 INFORMATION ON TOXICOLOGICAL EFFECTS
This product IS NOT TOXIC.

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.

SECTION 12: ECOLOGICAL INFORMATION
Behaviour in environment: It is biodegradable.
Ecotoxic effects: Unknow with concentrations that present.

SECTION 13: CONSIDERATIONS ABOUT ELIMINATION
Product: Could be incinerated using a postburner and gases picker.
Packaging: Those in paper and plastic could be incinerated.

SECTION 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.

SECTION 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.

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SECTION 16: OTHER 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.

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