

# MATERIAL SAFETY DATA SHEET (MSDS)

## CREAM OF TARTAR

According to the 'Food Chemicals Codex Standards, Third Edition

It contains 99.5% minimum of PURE POTASSIUM BITARTRATE.

### **PRECAUTIONS:**

NON-TOXIC PRODUCT

STABLE PRODUCT under normal conditions.

Slightly acidic product which may be a irritant to the skin, mucous membrane and eyes.

Do not breathe the powder.

Store in a dry place.

Wash yourself with abundant water after handling.

### **EMERGENCY FIRST AIDS.**

**SKIN:** Wash with abundant water, alkalinized if possible, if irritation is serious, obtain medical attention.

**EYES :** Wash first with abundant water, then with alkaline collyrium and visit an ophthalmologist.

**INGESTION:** Give sodium bicarbonate in moderate amounts and obtain medical attention.

**INHALATION:** Remove to fresh air, help to breathe and obtain medical attention.

ALIMENTARY AND PHARMACEUTICAL PRODUCT

### Precautions in case of spills:

No special precautions are necessary to contain spills.

In case of special sensitivity to the product, wear safety glasses, closed dresses, gloves and dust masks.

### Fire and explosion hazard:

Non-explosive product.  
Non-flammable product.

### Identification:

Chemical Formula :  $\text{KHC}_4\text{H}_6\text{O}_6$   
Molecular Weight : 188.18  
CAS No. : 868-14-4  
Index of Refraction : 1.511  
Specific Density : 1.984

# VINICAS

### **United States Offices:**

194 Camino Oruga, #9, Napa, CA 94558  
2028 S. Third Street, Fresno, CA 93702  
Tel: 888 204 9333 Fax: 888 761 4007  
www.vinicas.com - info@vinicas.com



### **Chilean Office:**

Galvarino Gallardo 1588, Santiago, Chile  
Tel: (56) 2 235 9482 Fax: (56) 2 236 0253  
www.vinicas.cl - info@vinicas.cl

## **INDUSTRIAS VINICAS S.A.**

Galvarino Gallardo 1588  
Santiago-CHILE

### **SECTION I** IDENTIFICATION

#### Chemical Name

POTASSIUM BITARTRATE  
L(+) POTASSIUM HYDROGEN  
TARTRATE  
(2r, 3r) POTASSIUM BITARTRATE

Alimentary additive and pharmaceutical  
product

#### Chemical Formula

KCC<sub>4</sub>H<sub>6</sub>O<sub>6</sub>

#### Description

Colorless crystals, white powder

#### Chemical family

Salts of Dihydroxylated organic acids.

#### Synonyms

Cream of Tartar

#### Natural State

Solid under  
normal conditions

#### Merck Index no.

7391

#### Richness

99.5% min.

#### Molecular Weight

188.18

## **SECTION II**

### INFORMATION ABOUT MANUFACTURER

#### Manufacturer

INDUSTRIAS VINICAS S.A.

#### Address

Galvarino Gallardo 1588  
Providencia,  
Santiago-CHILE

#### Manufacturer's Information

Emergency Telephone:  
911

Telephone for information:

Tel: 888-204 9333

Fax: 888-761-4007

### **SECTION III** INGREDIENTS

#### Compound

POTASSIUM ACID BITARTRATE

#### Main Impurities

According to the limits established by  
the 'Food Chemicals Codex, Third  
Edition 1981'

#### Significant Effects

Concentrated solutions are an irritant

#### **United States Offices:**

194 Camino Oruga, #9, Napa, CA 94558  
or  
2028 S. Third Street, Fresno, CA 93702  
Tel: 888 204 9333 Fax: 888 761 4007  
www.vinicas.com - info@vinicas.com



#### **Chilean Office:**

Galvarino Gallardo 1588, Santiago, Chile  
Tel: (56) 2 235 9482 Fax: (56) 2 236 0253  
www.vinicas.cl - info@vinicas.cl

#### **SECTION IV**

##### **FIRE OR EXPLOSION HAZARD:**

Fire or explosion hazard : NULL  
NON-FLAMMABLE, INCOMBUSTIBLE  
NON-EXPLOSIVE product.

#### **SECTION V**

##### **HEALTH HAZARDS:**

Exposure to POWDERED CREAM OF TARTAR may be an irritant to eyes, skin and mucous membranes.

Swallowing significant amounts may produce gastric disorders, stomach acidity, irritation of larynx, pharynx and esophageal, as well as intestinal disorders.

#### **EMERGENCY AND FIRST AIDS**

**SKIN** : Wash with abundant water, better if slightly alkalized; if irritation is serious, obtain medical attention.

**EYES** : Wash first with abundant water and then with an alkaline collyrium and visit the oculist.

**INGESTION** : Give sodium bicarbonate in moderate amounts and obtain medical attention.

**INHALATION**: Remove to fresh air, help to breathe and obtain medical attention.

#### **SECTION VI**

##### **TOXICOLOGY**

##### Toxicity:

NON-TOXIC product.

##### Recommended dosage for Man:

0.38 mg/kg weight

##### Carcinogenic:

No risks have been described in this field.

##### Mutagenic:

No risks have been described in this field.

##### Main absorption paths:

Inhalation, mucous membranes, ingestion.

##### Effects of a prolonged exposure:

See section V, Health Hazards

#### **SECTION VII**

##### **REACTIVITY**

##### Stability:

Under normal conditions TOTALLY STABLE to the air and the light.  
NON-HYGROSCOPIC, NON-EFFLORESCENT.

##### Incompatibilities:

In an aqueous dissolution mixed with CARBONATES, it produces abundant foam with a release of CARBONIC ANHYDRIDE (CO<sub>2</sub>) which may be accrued in pits and depressed areas, giving rise to a lack of air for people or animals.

In an aqueous dissolution mixed with alkalites, may cause increases in temperature

##### Decomposition hazard:

NULL under normal conditions.

##### Polymerization:

NULL under normal conditions.

#### **United States Offices:**

194 Camino Oruga, #9, Napa, CA 94558  
or  
2028 S. Third Street, Fresno, CA 93702  
Tel: 888 204 9333 Fax: 888 761 4007  
www.vinicas.com - info@vinicas.com



#### **Chilean Office:**

Galvarino Gallardo 1588, Santiago, Chile  
Tel: (56) 2 235 9482 Fax: (56) 2 236 0253  
www.vinicas.cl - info@vinicas.cl

Storage conditions:

Store in a dry place far away from toxic products

**SECTION VIII**  
PHYSICAL PROPERTIES

Boiling point:

Not described in bibliography

Specific heat (20° C):

0.288 cal/gm/°C

Solubility in water:

at 10° C : 4g/1000ml  
at 100° C : 61g/1000 ml

Specific density at 20° C:

1.984

Specific rotation:

aqueous sol. 2 o/oo, 20°C, 589.2 nm

+11.9 to +13.0

Combustion heat:

-275.1 Kcal/mol

Index of refraction:

1.511

Crystal system:

Rhombohedral prisms

**SECTION IX**

PRECAUTIONS IN HANDLING AND USE

Instructions for use:

According to federal, state and local regulations.

Precautions in case of spills:

Collect without any special precaution, except for the use of gloves, dust mask and safety glasses.

**SECTION X**

SAFETY PRECAUTIONS

In case of special sensitivity to the product, use closed garments, safety glasses (do not use contact lenses), rubber gloves and dust mask.

After handling the product, especially its POWDER, wash yourself with abundant water.

---

**United States Offices:**

194 Camino Oruga, #9, Napa, CA 94558  
or  
2028 S. Third Street, Fresno, CA 93702  
Tel: 888 204 9333 Fax: 888 761 4007  
www.vinicas.com - info@vinicas.com



**Chilean Office:**

Galvarino Gallardo 1588, Santiago, Chile  
Tel: (56) 2 235 9482 Fax: (56) 2 236 0253  
www.vinicas.cl - info@vinicas.cl