DERVINSA
DERIVADOS VINICOS S.A.

Safety Data Sheet (S.D.S)

Cream of Tartar

Document Code and revision state	Related to A-SSHE-11 – Rev. 02
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Section 1 – Product Identification

- ***Product Identification***

Product Name: Cream of Tartar
Chemical Name/Other Names: Potassium bitartrate. Potassium acid tartrate. Potassium hydrogen tartrate.
Chemical formula: KOOC-CHOH-CHOH-COOH
Chemical family: organic salts.
Uses: food industry, cosmetics, pharmaceutical.

- ***Manufacturer Identification***

Company: DERIVADOS VÍNICOS S.A
Address: Ruta Provincial 50 s/n – (5584) Palmira – Provincia de Mendoza
Country: Argentina
Site: Palmira – Mendoza
Phones: (from abroad Argentina): 54-2623-462668-69
Toxicological Emergencies: (from abroad Argentina) Phone: 54-11-4613 1100 (CIQUIME) Centro de Investigaciones toxicológicas.

Section 2 – Hazards Identification

Classification of the substance
According to Regulation (EC) No 1272/2008: **not listed**

According to Regulation (EC) No 67/ 548/ EEC: **not listed**

Section 3 – Composition and Information on Components

Chemical Name	CAS No.	CE No./ EINECS	E No.	%
Cream of Tartar	88-14-4	---	---	Over 99.8

Section 4 – First Aid

Skin: take off contaminated shoes and clothes. Wash thoroughly affected zone with warm water. Seek medical aid.

Eyes: check for the existence of contact lens. If so extract them. Rinse carefully with plenty of warm water for at least 15 minutes. Get medical attention.

Inhalation: remove injured to fresh air. Apply artificial breath in case of asphyxia. Supply oxygen if breathing difficulties.

Ingestion: Do not induce vomit except medical authorization. Do not attempt to give anything to drink to an unconscious injured. Get medical attention.

Section 5 – Fire-fighting Measures

Firefighting: for minor fires use dry chemicals powder. Otherwise utilize water mist or spray. Avoid the use of direct water jets.

Personal protection in fire fighting: Air assisted breathing equipment. Appropriate firemen clothes.

Flammability Conditions: combustible at high temperatures

Flash point: No information available

Auto ignition Temperature: No information available.

Flammability Limits: no data available

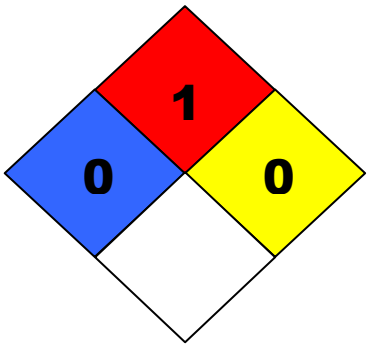
Products of combustion: CO (carbon monoxide) and CO2 (carbon dioxide)

Fire hazards: slightly flammable if heated. Not flammable by shock

Information for Firefighters

HEALTH

4 Mortal
3 Extreme danger
2 Moderate danger
1 Slightly dangerous
0 Not dangerous



FIRE RISK

Flash point
4 - Less than 22.8 °C
3 - Less than 37.8 °C
2 - Less than 93.3 °C
1 - Over 93.3 °C
0 - Non combustible

SPECIFIC RISKS

Oxidant	OXY
Acid	ACID
Alkaline	ALK
Corrosive	COR
Do not use water	W
Radiation	

REACTIVITY

4 Highly explosive
3 Moderately explosive
2 Violent Chemicals change
1 Unstable at high temp.
0 Stable

Section 6 – Measures to be Taken in Case of Accidental Spillage

Small spills: Sweep up and gather any rests of powder into a dedicated container. Identify them. Use appropriate tools. Wash the floor with water. Dispose of residues in accordance with local legislation.

Large spills: Stop spill if safe. Avoid contact with spillage and dust generation during sweep up. Use water mist or spray to reduce vapors. Avoid material reach sewages. Eliminate any ignition source. End washing floor. Dispose of residues in accordance with local legislation.

Section 7 – Handling and Storage

Handling: Handle in well ventilated areas far from heat and ignition sources. Avoid breathing dust. Wear personal protection equipment as described in section 8. If the handling area is not well ventilated wear appropriate respiratory equipment. If you feel unwell during handling, stop task and get medical aid. Avoid contact with skin and eyes. Keep containers away from antagonistic such as strong acids (hydrochloric, nitric, sulfuric).

Storage: storage in tightly closed containers, in well ventilated areas.

Section 8 – Exposure Controls / Personal Protection

Engineering: Ensure enough ventilation in handling and storage areas to avoid formation of explosive mixtures of dust. If necessary install forced air extraction**.** Eyewash stations and safety showers should be ready near the handle and storage points.

Personal protection elements: plastic apron, safety shoes, gloves, goggles, breathing mask with approved filters.

Personal protection equipment in large spills: whole safety suit, boots, gloves, eye protection: goggles. Air assisted breathing protection.

Exposure limits: no data available as specific substance. Max.: 0.000010 Kg/m3 as common dust (Argentine law). See regulations in section 11.

Section 9 – Physical and Chemicals Properties

Molecular Formula: Ca **(**COO-CHOH-CHOH-COO)
Molecular Weight: 188.15
Physical state and appearance: solid (powder)
Odor: inodorous
Taste: tasteless
Density: 1817 Kg/m^3
Melting point: no data available.
Boiling point: no data available.
pH (aqueous solution): not applicable (slightly soluble in water)
Solubility: 0.4 Kg/m3 de agua (10ºC); 2.0 Kg/m3 (80ºC).

Section 10 – Stability and Reactivity

Stability: stable under ordinary temperature/pressure conditions.
Hazardous decomposition products: carbon monoxide, carbon dioxide and toxic fumes. Decomposition products may be toxic and may irritate respiratory tract.
Incompatibilities: strong acids such as hydrochloric, nitric or sulfuric.
Polymerization: will not occur

Section 11 – Toxicological Information

Toxicology in animals:
LD50: [Rats - Intravenous; Dose: 0.000485 Kg/Kg

LC50: no data available
Special Observations in animal toxicology:

Lower lethal dose:
LDL [Rats - oral; Dose: 0.0070 Kg/Kg
LDL [Rabbits] - oral; Dose: 0.0050 Kg/Kg
LDL [Dogs] - oral; Dose: 0.0050 Kg/Kg
Lethal Dose (50% death)
LD50 [Rats - Intravenous; Dose: 0.000385 Kg/Kg

Chronic Effects on humans: No information about chronic effects has been issued.

Other toxicological effects: risky by skin contact, ingestion and inhalation.

Special observations on other toxic effects on humans:

Acute potential effects:
Skin: irritation

Eyes: irritation
Inhalation: Causes irritation of respiratory tract.
Ingestion: Causes irritation of gastrointestinal tract and nausea, vomits and diarrhea. May affect kidneys, blood and behavior (drowsiness, convulsions)

Chronic potential effects:
No information about chronic effects has been issued.

Section 12 – Eco-toxicological Information

Ecotoxicity: no data has been issued about toxicity of this product on the environment.

BOD5 y COD: no data has been issued about toxicity of this product on the environment.

Biodegradation products: not likely to provoke biodegradation products in short term. However, they may arise in long term. If the product reaches confined waters, its degradation process will cause a rise of COD. The extent of this rise will depend on concentration.

Toxicology of biodegradation products: neither product nor its derivatives by degradation are toxic**.**

Section 13 – Information on the Disposal of Products

Waste disposal should comply with federal and local environmental regulations.

Section 14 – Transport Information

Legal Requirements

Land Transport (ADR / RID - Law 24,449 and Mercosur Agreement)
- Name of hazardous material for transportation: not listed
- Records of intervention: not applicable. The product was shipped as general cargo.
- Signs of caution and risk labels: not applicable
- DOT Classification: Not listed as a controlled material in USA.

Maritime Transport (IMDG) Code
- Name of hazardous material for transportation: not listed
- Label of risk: not applicable
- Poster of caution: not applicable

Air Transport (ICAO / IATA)

Not a hazardous substance for air transport

Section 15 – Regulatory Information

Federal Regulations (USA): TSCA 8(b) inventory: L-tartaric acid
Other Regulations: no data available.
Other Classifications:
WHMIS (Canada): Class "E" corrosive solid (Canada).
DSCL (EEC): According to Regulation (EC) No 67/ 548/ EEC

R36/ R37/ R38 - Eye, skin and respiratory irritant.
S26 - In case of eye contact flush immediately with plenty of water. Get medical attention.

S36/ S37/ S39 - Wear adequate safety clothes, gloves, and face and eyes protection.
Irritant

Hazards:

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1
Reactivity: 0

Section 16– Other Information

The information above is believed to be accurate and represents the best information currently available to Derivados Vínicos S.A. However, Derivados Vínicos S.A. makes no warranty, express or implied, with respect to such information, and assumes no liability resulting from its use.

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Glossary:

S.D.S.: Safety Data Sheet
CAS N°: Number identifying the product in Chemical Abstracts Service.
IMDG: International Maritime dangerous goods code
HMIS: Hazardous material identification system USA
WHMIS: Workplace hazardous material identification system (Canada)
DOT: Department of transportation (USA)
RTECS: Registry of toxic effects of Chemical substances.
TWA: Time weighted average
LD: Lethal dose.
LD50: Lethal dose for 50% of assayed animal population
COD: Chemical oxygen demand.
SRT: Superintendencia de riesgos del trabajo (Argentina)