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Material Safety Data Sheet - MSDS

CREAM OF TARTAR

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Potassium Bitartrate (Cream of Tartar)

Company: Veronese Indústria de Produtos Químicos Ltda.

Rua Vereador Mário Pezzi, 318

95084-180 - Caxias do Sul/RS

Fone: +55 54 3228-1377

E-mail: veronese.rs@veronese.com.br

2. HAZARD IDENTIFICATIONS

GHS Classification:

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

GHS Hazard Pictogram: No symbol required.

GHS Signal word: None required.

GHS Hazard statement(s)/phrase(s): None required.

GHS Precautionary Statements: None required.

Other hazards: None under normal conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance Name	Chemical Formula	CAS No	Content (%)
Potassium bitartrate	KHC ₄ H ₄ O ₆	868-14-4	> 99.0


4. FIRST AID MEASURES

First aid measures:

Veronese Chemical Products (Website: www.veronese.com.br)

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Fone: (54) 3228-1377 - Fax: (54) 3228-1377 - E-mail: veronese.rs@veronese.com.br

Taubaté/SP Plant: Avenida Eurico Ambrogi Santos, 455 - CEP: 12.042-010 - Taubaté/SP
Fone: (12) 3686-1358 - Fax: (12) 3686-1019 - E-mail: veronese.sp@veronese.com.br

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Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Eyes Contact: Check for and remove any contact lenses. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical advice.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Note to Physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂). Some metallic oxides.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

Small Fire: Use dry chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.


Fire Extinguishing Media: Water spray, dry chemical, alcohol foam or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions: Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment and Clean Up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

7. HANDLING AND STORAGE

Precautions: Wear appropriate Personal Protection Equipment (PPE). Keep ignition sources away from the product storage, handling and transportation equipment. Keep containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all packages are duly labeled.

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage: Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Do not store in aluminium, its alloys, or iron containers. Observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Specific Control Parameters:

Occupational Exposure Limits: Not available. Note: Consult local authorities for acceptable exposure limits.

Personal Protection:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations.

Hand: Use gloves appropriate for work or task being performed.


Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory: Not expected to require personal respirator usage. For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances

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where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight: 188.18

Physical State: Solid.

Appearance and Odor: Colorless or white crystalline and odorless powder.

Taste: Pleasant acidulous taste

pH: 7.0 – 8.5 (aqueous solution)

Boiling Point: Not available.

Melting/Freezing Point: Not available.

Vapor Pressure: Not applicable.

Specific Gravity: Density: 1.984 (Water = 1)

Evaporation Rate: Not available.

Solubility: Partially soluble in hot water. Very slightly soluble in cold water.

10. STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatibles.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION


Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

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LD₅₀: Not available.

LC₅₀: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

Special Remarks on Toxicity to Animals: Lowest Published Lethal Dose: LDL [Rat] - Route: Oral; Dose: 22,000 mg/kg.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: *Skin:* May cause skin irritation. *Eyes:* Dust may cause eye irritation. *Inhalation:* Dust may cause respiratory tract irritation. *Ingestion:* May cause gastrointestinal tract irritation.

Chronic Potential Health Effects: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD₅ and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATIONS


Waste Disposal: The generation of waste should be avoided or minimized wherever possible. This material and its package must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty packages or liners may retain some product residues. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

General:

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Product: Disposal procedures in accordance with the local legislation.

Contaminated packages: Accordingly to the local legislation in effect.

14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

15. REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Potassium bitartrate

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36- Irritating to eyes.

S2- Keep out of the reach of children.

S24/25- Avoid contact with skin and eyes.

S37- Wear suitable gloves.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46- If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E

References: Not available.

Other Special Considerations: Not available.

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