

## SAFETY DATA SHEET CREAM OF TARTAR

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### **Section 1: Identification of the Substance and of the Company**

#### **1.1 Product Identifier:**

<b>Product Name:</b>	Cream of Tartar
<b>Synonyms:</b>	Potassium Bitartrate, Potassium Acid Tartrate, Potassium Hydrogen Tartrate, Monopotassium SALT of L-2,3-dihydroxybutanedioic acid
<b>CAS Number:</b>	868-14-4
<b>EC Number:</b>	212-769-1
<b>E Number:</b>	E336
<b>Molecular Weight:</b>	188.18
<b>Chemical Formula:</b>	C <sub>4</sub> H <sub>5</sub> KO <sub>6</sub>

#### **1.2 Relevant Identified uses of the Substance and Uses Advised Against:**

**Relevant Identified Uses:** pH regulator and tartaric stabilizer in production of wines, food additive, leavening agent for baking powder specially, cosmetic and pharmaceutical applications, laboratory reagent, and technical applications in manufacturing of metal products.

#### **1.3 Details of the Supplier of the Safety Data Sheet:**

**Supplier:** Saffire Blue Inc.  
1444 Bell Mill Sideroad.  
Tillsonburg, ON, Canada  
Telephone: 877-248-1115  
[www.saffireblue.ca](http://www.saffireblue.ca)

#### **1.4 Emergency Telephone Number**

**Telephone** 800-424-9300 – CHEMTREC (24/7) – within USA & Canada  
+1 703-527-3887 – CHEMTREC (24/7) – International & Maritime  
914-834-1881 – ATPGroup

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## **Section 2: Hazards Identification**

### **2.1 Classification of the Substance:**

The cream of tartar is not classified as hazardous under the provisions of Directives 67/548/EEC and 1999/45/EC and/or Regulation EC 1272/2008 (CLP) and subsequent amendments and adjustments

**Classification pursuant to EC REG. No. 1272/2008**

Not Classified

**Classification pursuant to REG. 67/548/EEC, 1999/45/EC**

Not classified

**Physiochemical Hazards:** None Identified

**Hazards for Human:** None Identified

**Hazards for Animals and the Environment:** None Identified

### **2.2 Label Elements:**

**According to EC REG. No. 1272/2008**

No Labelling Applicable

#### **Hazard Pictogram:**

None Applicable

### **2.3 Other Hazards:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes, and clothing.

SAF-T-DATA<sup>(tm)</sup> Ratings (Provided here for your convenience)

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**Health Rating:** 0 - None

**Reactivity Rating:** 0 - None

**Flammability Rating:** 0 - None

**Contact Rating:** 0 - None

**Lab Protective Equip:** GOGGLES; LAB COAT

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**GRAS (Generally Recognized as Safe):** Product is included in the GRAS list

## **Section 3: Composition/Information on Ingredients**

### **3.1 Substances**

100% CREAM OF TARTAR (POTASSIUM BITARTRATE) – (see 1.1)

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## **Section 4: First Aid Measures**

### **4.1 Description of First Aid**

**General Advice:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show this safety data sheet to doctor).

**Inhalation:** Move person to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:** Do not induce vomiting. If large amounts were swallowed, give water to drink. In serious cases seek medical advice.

**Skin Contact:** Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:** Wash thoroughly with running water. Get medical advice if irritation develops.

### **4.2 Most Important Symptoms and Effects, both Acute and Delayed**

**Inhalation:** Not expected to be a health hazard.

**Ingestion:** No adverse effects expected.

**Skin Contact:** Not expected to be a health hazard from skin exposure.

**Eye Contact:** May be mild irritant. Not expected to be a health hazard.

**Chronic Exposure:** No information found

**Aggravation of Pre-existing Conditions:** No information found

### **4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

In case of doubt seek for medical advice

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## **Section 5: Fire-fighting Measures**

### **5.1 Extinguishing Media**

Water spray, dry powder, foam, or carbon dioxide.

### **5.2 Special Hazards Arising from the Substance**

**Fire:** Not considered to be a fire hazard.

**Explosion:** Not considered to be an explosion hazard

## **5.3 Advice for Firefighters**

Use protective clothing and breathing equipment appropriate for the surrounding fire. Prevent firefighting water from entering environment.

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## **Section 6: Accidental Release Measures**

### **6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

**Non-Emergency Personnel:** Evacuate unnecessary personnel from contaminated area.

**Emergency Personnel:** Ventilate area, equip cleanup crew with appropriate protective equipment (see section 8)

### **6.2 Environmental Precautions**

Prevent entry to drains, sewers, and surface/ground waters.

### **6.3 Methods and Material for Containment and Cleaning Up**

Cover the drains to avoid product going into the sewage system; collect the spilled material in appropriate containers using a method that does not generate dust (vacuum cleaner or wet sweeping) for reclamation or disposal in accordance with local rules.

### **6.4 Reference to Other Sections**

See Section 13

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## **Section 7: Handling and Storage**

### **7.1 Precautions for Safe Handling**

Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work. Ensure adequate ventilation, especially in confined areas, to minimize dust generation and accumulation.

### **7.2 Conditions for Safe Storage, Including Any Incompatibilities**

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. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

### **7.3 Specific End Uses**

## **Section 8: Exposure Controls/Personal Protection**

### **8.1 Control Parameters**

None established.

### **8.2 Exposure Controls**

**Ventilation System:** Provide ventilation system; in general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

#### **Personal Protective Equipment (PPE):**

**Personal Respirators (NIOSH Approved):** 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 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.

**Skin Protection:** Wear protective gloves and clean body-covering clothing.

**Eye Protection:** Use safety glasses or chemical goggles. Maintain eye wash fountain and quick-drench facilities in work area.

**Hygiene Measures:** Handle with accordance with good industrial hygiene and safety practice. Wash your hands before breaks and at the end of the workday. Keep away from food and drink. Wash work clothing and PPE periodically to remove contaminants.

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## **Section 9: Physical and Chemical Properties**

### **9.1 Information on Basic Physical and Chemical Properties**

**Appearance:** Colorless crystals or white crystalline powder

**Physical State:** Solid

**Odor:** Odorless

**Odor Threshold:** N/A

**pH:** No data available

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Flammability:** Not flammable    **Upper Limits:** N/A    **Lower Limits:** N/A

**Explosive Properties:** No data available    **Upper Limits:** N/A    **Lower Limits:** N/A

**Auto-Ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Partition Coefficient: n-Octanol/water:** No data available

**Solubility:** 1 gram dissolves in 16 ml boiling water

**Relative Density:** 1.984 at 18°C

**Vapor Density (Air=1):** No data available

**Evaporation Rate (BuAc=1):** No data available

**Vapor Pressure (mm Hg):** No data available

**Viscosity:** No data available

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## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

Product is not reactive under recommended use and storage.

### **10.2 Chemical Stability**

Stable under ordinary conditions of use and storage

### **10.3 Possibility of Hazardous Reactions**

There are no hazardous reactions known

### **10.4 Conditions to Avoid**

Direct sunlight. Extremely high or low temperatures

### **10.5 Incompatible Materials**

No information found.

### **10.6 Hazardous Decomposition Products**

Carbon dioxide and carbon monoxide may form when heated to decomposition.

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## **Section 11: Toxicological Information**

### **11.1 Information on Toxicological Effects**

**Acute Toxicity:** No LD50/LC50 information found relating to normal routes of occupational exposure

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Irritation:** No data available

**Respiratory or Skin Sensitization:** No data available

**Germ Cell Mutagenicity:** No data available

**Reproductive Toxicity:** No data available

**STOT-Single Exposure:** No data available

**STOT-Repeated Exposure:** No data available

**Aspiration Hazard:** Negative

**Information on Likely Routes of Exposure:** Inhalation, Ingestion, and Eye/Skin Contact.

-----\Cancer Lists\-----  
---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Potassium Bitartrate (868-14-4)	No	No	None

## **Section 12: Ecological Information**

### **12.1 Toxicity**

No information available

### **12.2 Persistence and Degradability**

Not established.

### **12.3 Bioaccumulative Potential**

Not established.

### **12.4 Mobility in Soil**

No information available.

### **12.5 Results of PBT and vPvB Assessment**

Not considered to be a PBT or vPvB substance

## **Section 13: Disposal Considerations**

### **13.1 Waste Treatment Methods**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Empty containers have to be handled with the same caution as the pure substance.

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## Section 14: Transport Information

Not regulated. Not a Hazardous Material

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## Section 15: Regulatory Information

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-----\Chemical Inventory Status - Part 1\-----
Ingredient                                TSCA  EC   Japan  Australia
-----
Potassium Bitartrate (868-14-4)          Yes   Yes  Yes    Yes
```

```
-----\Chemical Inventory Status - Part 2\-----
Ingredient                                --Canada--
Korea  DSL  NDSL  Phil.
-----
Potassium Bitartrate (868-14-4)          Yes   Yes  No     Yes
```

```
-----\Federal, State & International Regulations - Part 1\-----
Ingredient                                -SARA 302-  -SARA 313-
RQ    TPQ    List  Chemical Catg.
-----
Potassium Bitartrate (868-14-4)          No     No     No     No
```

```
-----\Federal, State & International Regulations - Part 2\-----
Ingredient                                -RCRA-      -TSCA-
CERCLA  261.33  8 (d)
-----
Potassium Bitartrate (868-14-4)          No         No         No
```

Chemical Weapons Convention: No      TSCA 12(b): No      CDTA: No  
SARA 311/312: Acute: No      Chronic: No      Fire: No      Pressure: No  
Reactivity: No      (Pure / Solid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

### **WHMIS:**

This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

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## Section 16: Other Information

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

### **Label Hazard Warning:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure



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to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions:**

None.

**Label First Aid:**

Not applicable.

**Revision Information:** SDS Revision Date May 15, 2015

Disclaimer:

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