

MATERIAL SAFETY DATA SHEET**POTASSIUM SODIUM +/- TARTRATE**

PRODUCT CODE NUMBER(S): 6720-1

PRODUCT IDENTIFICATION**Chemical Name and Synonyms:** *Potassium sodium +/- tartrate; Rochelle salt***Chemical Family:** *L +/- tartrate acid salt***Chemical Formula:** *COOK.CHOH.CHOH.COONa.4H₂O***Product Use:** *Laboratory reagent***Manufacturer's Name and Address:***Caledon Laboratories Ltd.
40 Armstrong Avenue
Georgetown, Ontario L7G 4R9***Telephone No:** *(905) 877-0101***Fax No:** *(905) 877-6666***Emergency Telephone No:** *CANUTEC (613) 996-6666***HAZARDOUS INGREDIENTS OF MATERIALS**

<i>Ingredients</i>	<i>%</i>	<i>TLV Units</i>	<i>CAS No.</i>
<i>Potassium sodium +/- tartrate</i>	<i>~99</i>	<i>Not established</i>	<i>304-59-6</i>

PHYSICAL DATA**Physical State:** *Solid***Odour and Appearance:** *Colourless crystals or a white crystalline powder, slightly efflorescent; odourless***Odour Threshold (ppm):** *Not applicable***Vapour Pressure (mm Hg):** *Not available***Vapour Density (Air = 1):** *Not available***Evaporation Rate:** *Not available***Boiling Point (degrees C):** *220°C***Melting Point (degrees C):** *70-80°C***pH:** *7.0-8.5 (5% solution)***Specific Gravity:** *1.790***Coefficient of Water/Oil distribution:** *Not available***SHIPPING DESCRIPTION****UN:** *Not regulated***T.D.G. Class:** *Not regulated***Pkg. Group:** *Not regulated***REACTIVITY DATA****Chemical Stability:** *Stable***Incompatibility with other substances:** *May react vigorously or violently with mineral acids, metallic salts, strong oxidizing agents.***Reactivity:** *Avoid elevated temperatures, ignition sources, generation of dust, all incompatible materials.***Hazardous Decomposition Products:** *None identified***FIRE AND EXPLOSION DATA****Flammability:** *Combustible if strongly heated. As with most organic compounds, fine dust dispersed in air in the presence of an ignition source is a potential dust explosion hazard.***Extinguishing Media:** *Use any means suitable for surrounding fire. Use water spray or fog to cool containers, disperse dust and vapours, and flush material away from fire. Fight fire from upwind, from a safe distance. Firefighters should wear protective equipment and clothing sufficient to prevent inhalation of dust or fumes, and contact with skin and eyes.***Flash Point (Method Used):** *Not available***Autoignition Temperature:** *Not available***Upper Flammable Limit (% by volume):** *Not available***Lower Flammable Limit (% by volume):** *Not available***Hazardous Combustion Products:** *Emits acrid smoke and fumes, CO_x***Sensitivity to Impact:** *None identified***Sensitivity to Static discharge:** *As with most organic powders, mixtures of dust with air may be sensitive under certain conditions, when ignited by an electrostatic or other high-voltage spark, or other ignition source.***TOXICOLOGICAL PROPERTIES AND HEALTH DATA***To the best of our knowledge, the physical, chemical and toxicological properties of this substance have not yet been thoroughly investigated.***Toxicological Data:****LD₅₀:** *Not available***LC₅₀:** *Not available***Effects of Acute Exposure to Product:****Inhaled:** *No human or animal information available. May be harmful. May cause mechanical irritation to mucous membranes and upper respiratory tract, causing sore throat, coughing.***In contact with skin:** *Dust or solutions may be mildly irritating. No human or animal information available.***In contact with eyes:** *Dust or solutions may be irritating. No human or animal information available.***Ingested:** *No information available. Should be considered harmful if ingested. May cause gastrointestinal irritation, nausea, vomiting.***Effects of Chronic Exposure to Product:****Carcinogenicity:** *No human or animal information available.***Teratogenicity:** *No human or animal information available.***Reproductive Effects:** *No human or animal information available.***Mutagenicity:** *No human or animal information available.*

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Synergistic Products: *None known***PREVENTIVE MEASURES****Engineering Controls:** *Local exhaust ventilation recommended.***Respiratory Protection:** *Dust/mist mask. For dusty conditions, to the maximum use specified by the respirator supplier, NIOSH approved half-face high-efficiency dust/mist filter respirator, or NIOSH approved full face-piece high-efficiency dust/mist filter respirator. Higher or unknown concentrations, or for fire or spill conditions, self-contained breathing apparatus, or full face-piece, positive-pressure supplied-air respirator.***Eye Protection:** *Safety glasses. Do not wear contact lenses when working with chemicals***Skin Protection:** *Protective rubber or plastic gloves. Other clean body-covering sufficient to limit contact.***Other Personal Protective Equipment:** *Safety shower and eye-wash fountain in work area.***Leak and Spill Procedure:** *Ventilate area. Eliminate sources of ignition. Cleanup personnel should be trained in the handling of hazardous chemicals and should wear protective equipment and clothing sufficient to prevent inhalation of dust, mist or fumes, and contact with skin and eyes. Prevent from entering sewers or waterways. Collect in a manner that does not raise dust (wet if necessary), transfer carefully into container, and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.***Waste Disposal:** *Follow all local, provincial and federal regulations for disposal.***Handling Procedures and Equipment:** **COMBUSTIBLE DUST.** *Workers using this chemical must be properly trained in its hazards and its safe use, and must wear appropriate protective equipment and clothing. Avoid generating dust. If there is dust, keep away from heat, sparks, and all sources of ignition; avoid the accumulation of static charge, use anti-sparking tools and ground and bond equipment and containers. Use the smallest amount possible for the purpose, in a designated area with adequate ventilation. Use good housekeeping to prevent accumulations of dust. Avoid contact with skin and eyes. Avoid inhalation. Wash thoroughly after handling.***Storage Requirements:** *Store in suitable, labelled containers, in a cool, dry, well-ventilated area, out of direct sunlight. Keep containers tightly closed. Keep away from sources of heat and incompatible materials.***FIRST AID MEASURES****Specific Measures:****Eyes:** *Flush eyes thoroughly with gently running water, holding eyelids open while flushing, for five to ten (5-10) minutes, or until no trace of chemical remains. Get medical attention if irritation develops.***Skin:** *Remove contaminated clothing. Brush or wipe off dry material. Flush skin with plenty of running water until no evidence of chemical remains. If irritation develops get medical attention.***Inhalation:** *Remove to fresh air. Give oxygen and get medical attention for any breathing difficulty.***Ingestion:** *Rinse mouth thoroughly with water and give 2 to 4 glasses of water to drink to dilute. If victim feels unwell, or if a very large amount has been ingested, get medical attention.***REFERENCES USED***CCINFO disc**Budavari: The Merck Index, 12th ed., 1997**Sax, Lewis: Hawley's Condensed Chemical Dictionary, 11th ed., 1987**Suppliers' Material Safety Data Sheets***ADDITIONAL INFORMATION****Date Issued:** *February 20, 1990***Revision:** *March 2011***MSDS:** *6720-1***Proposed WHMIS Designation:** *Not a controlled product. Not required to be updated every three years (WHMIS 1992, B-40, Section 29,2)*

*Prepared by: Caledon Laboratories Ltd. (905) 877-0101
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