

Potassium Sodium Tartrate

1. Product Identification

Synonyms: Rochelle Salt; Seignette Salt; sodium potassium tartrate; 2,3-dihydroxy-[R-(R*,R*)]-butanedioic acid, monopotassium monosodium salt tetrahydrate

CAS No.: 304-59-6 (Anhydrous); 6381-59-5 (Tetrahydrate)

Molecular Weight: 282.22

2. Composition/Information on Ingredients

Ingredient: Potassium Sodium Tartrate or Sodium Potassium Tartrate

CAS No.: 304-59-6

Percent: 99 - 100%

3. Hazards Identification

Potential Acute Health Effects: Potassium Sodium Tartrate Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Potassium Sodium Tartrate is toxic to mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

Inhalation: If Potassium Sodium Tartrate is inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

5. Fire Fighting Measures

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved

self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to legal requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to drain.

7. Handling and Storage

Keep Potassium Sodium Tartrate 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 Potassium Sodium Tartrate may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

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 Respirators (NIOSH Approved): 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, glycerin, 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.

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

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

9. Physical and Chemical Properties

Appearance: Potassium Sodium Tartrate is colorless, transparent crystals or white powder.

Odor: Odorless.

Solubility: Soluble in water.

Density: 1.79

pH: 7-8

% Volatiles by volume @ 21C (70F): 0

Boiling Point: 220C (428F) Begins to decompose

Melting Point: 70 - 80C (158 - 176F)

Vapor Density (Air=1): No information found.

10. Stability and Reactivity

Stability: Sodium Potassium Tartrate Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization: Will not occur.
Incompatibilities: Acids, calcium or lead salts, silver nitrate, magnesium sulfate.
Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

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-----\Cancer Lists\-----
-----NTP Carcinogen-----
Ingredient ----- Known -- Anticipated -- IARC Category
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Potassium Sodium Tartrate No ----- No ----- None
(304-59-6)

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12. Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations

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 Sodium Potassium Tartrate in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

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

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

USA Federal and State Regulations: No products were found.

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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

DSCL (EEC):

This product is not classified according to the EU regulations. S22- Do not breathe dust. S24/25-

Avoid contact with skin and eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

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

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Safety glasses