



SAFETY DATA SHEET

L(+) POTASSIUM SODIUM TARTRATE

Section 1: Identification of the Substance and of the Company

1.1 Product Identifier:

Product Name:	Rochelle Salt (Potassium Sodium Tartrate)
Synonyms:	Rochelle Salt; Seignette Salt; Sodium Potassium Tartrate; 2,3-dihydroxy-[R-(R*,R*)]-butanedioic acid, monopotassium monosodium salt tetrahydrate
CAS Number:	6381-59-5 (Tetrahydrate); 304-59-6 (Anhydrous)
EINECS:	206-156-8
E Number:	E337
REACH Registration:	01-2119524666-34-0002
Molecular Weight:	282.22
Chemical Formula:	$\text{KNaC}_4\text{H}_4\text{O}_6 \cdot 4\text{H}_2\text{O}$

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

Relevant Identified Uses:	As additive in food industry, in plating industry, in the preparation of cigarette paper, in the mirror industry, as additive for gypsum and cement, for pH correction, as metal cleaner, for preparation of Fehling reactive, as complexant agent
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1.3 Details of the Supplier of the Safety Data Sheet:

Supplier:	American Tartaric Products Inc. 1865 Palmer Ave. Larchmont, NY 10538 USA Telephone: 914-834-1881 Fax: 914-834-4611 www.american tartaric.com
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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 – American Tartaric Products Inc.
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Section 2: Hazards Identification

2.1 Classification of the Substance:

Classification according to Reg. EC 1272/2008	Classification according to Reg. EC 67/548
Not classified as dangerous	Not classified as Dangerous
Precautionary: P261: Avoid breathing dust P262: Do not get in eyes, on skin, or on clothing. P280: Wear protective gloves, protective clothing, eye protection, face protection.	Safety Phrases: S1/2: Keep locked up and out of reach of children. S22: Do not breath dust S37/39: wear suitable gloves and eye/face protection. S38: In case of insufficient ventilation, wear suitable respiratory equipment. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.2 Label Elements:

L(+)-POTASSIUM SODIUM TARTRATE – ROCHELLE SALT

CAS: 6381-59-5

According to EC REG. No. 1272/2008:

No Labelling Applicable

Hazard Pictogram:

None Applicable

2.3 Other Hazards:

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Reactivity Rating: 1 - Slight

Flammability Rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)



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

Section 3: Composition/Information on Ingredients

3.1 Substances

100% POTASSIUM SODIUM TARTRATE – (see 1.1)

Section 4: First Aid Measures

4.1 Description of First Aid

General Advice: Get medical advice if you feel unwell. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

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: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath. Dust emission is possible during use of the product.

Ingestion: Large oral doses may cause irritation to the gastrointestinal tract. May cause sore throat, abdominal pain, vomiting, and diarrhea. Large doses can have cathartic effects.

Skin Contact: May cause irritation with redness and pain.

Eye Contact: May cause irritation, redness and pain.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: People with pre-existing heart disease, pre-existing skin disorders, or on a low sodium diet may be more susceptible to the effects of this substance.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

In case of doubt seek for medical advice



Section 5: Fire-fighting Measures

5.1 Extinguishing Media

Water spray, dry chemical, alcohol foam, or carbon dioxide.

5.2 Special Hazards Arising from the Substance

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. If involved with fire, fumes can contain carbon monoxide.

Explosion: Not considered to be an explosion hazard.

5.3 Advice for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Non-Emergency Personnel: avoid breathing the dust and contact with skin or eyes, leave the contaminated area.

Emergency Personnel: ventilate area, wear appropriate protective equipment (see section 8), avoid breathing the dust and contact with skin or eyes

6.2 Environmental Precautions

Avoid river and sewage system pollution

6.3 Methods and Material for Containment and Cleaning Up

In case of rain cover product with a plastic sheet to prevent the water solubility of the product. Cover the drains to avoid the product going into the sewage system, pick up and place in plastic bag using a method that does not generate dust (vacuum cleaner or water cleaner).

6.4 Reference to Other Sections

See Section 8 and 13



Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Use anti-dust mask, safety goggles, and rubber gloves. Remove contaminated clothing and protective equipment before entering eating areas.

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

See 1.2

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits/Guidelines: ACGIH for nuisance dusts (TLV – 5 mg/m³)

8.2 Exposure Controls

Appropriate Engineering Controls: 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): 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 (type EN374) and clean body-covering clothing.

Eye Protection: Use chemical safety 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.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Colorless, transparent crystals or white powder, solid

Odor: Odorless

Odor Threshold: N/A

pH: 7 - 8

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

Freezing Point: No data available

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

Flash Point: No data available

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

Explosive Properties: Not explosive **Upper Limits:** N/A **Lower Limits:** N/A

Auto-Ignition Temperature: No data available

Decomposition Temperature: 220°C

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

Solubility: Very soluble in water: 66 g dissolves in 100 ml of water at 25°C

Relative Density: 1.79

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

Section 10: Stability and Reactivity

10.1 Reactivity

It is a salt of tartaric acid, it gives the reactions of tartrates, K^+ and Na^+

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

Heat, flames, ignition sources and incompatibles.



10.5 Incompatible Materials

Acids, calcium or lead salts, silver nitrate, magnesium sulfate.

10.6 Hazardous Decomposition Products

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

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.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics: Thereby the substance is classified as non-irritating although it is recognized that it may cause discomfort and mild irritation if introduced in the eyes or inhaled or in the event of prolonged and repeated contact with the skin or in contact with damaged skin.

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

Ingredient	Known	Anticipated	IARC	Category
Potassium Sodium Tartrate	No	No	None	(304-59-6)

Section 12: Ecological Information

12.1 Toxicity

The substance is not included in the LIST OF MARINE POLLUTANT, IMDG Code including Amendment 27. No information available for humans.

12.2 Persistence and Degradability

Rapidly Biodegradable

12.3 Bioaccumulative Potential

No significant bioaccumulation or biomagnification expected



12.4 Mobility in Soil

Negligible

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.

Section 14: Transport Information

Not regulated. Not a Hazardous Material

Section 15: Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Potassium Sodium Tartrate (304-59-6)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
Ingredient	Korea	DSL	NDL	Phil.
Potassium Sodium Tartrate (304-59-6)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
-SARA 302-		-----SARA 313-----		
Ingredient	RQ	TPQ	List	Chemical Catg.
Potassium Sodium Tartrate (304-59-6)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----				
-RCRA-		-TSCA-		



Ingredient	CERCLA	261.33	8 (d)
Potassium Sodium Tartrate (304-59-6)	No	No	No

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.

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.

Section 16: Other Information

NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0

Label Hazard Warning: CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

Label Precautions:

Avoid contact with eyes, skin and clothing. ~ Avoid breathing dust. ~ Keep container closed.
Use with adequate ventilation. ~ Wash thoroughly after handling.

Label First Aid: If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

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