AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Rochelle Salts/Potassium Sodium Tartrate

Product Name: Rochelle Salts/Potassium Sodium Tartrate
CAS Number: 6381-59-5
Synonym: Sodium Potassium Tartrate Tetrahydrate
Formula: $C_4H_4O_6KNa{\cdot}4H_2O$
Molecular weight: 282.22 g/mol
Appearance: colorless transparent crystals or white powder
Melting Point: 70-80°C
pH: 6.5 – 8.5 (1 % aqueous solution)

Typical Product Specifications

Properties	Specifications
Assay	≥ 99.0 %
Lead (Pb)	≤ 0.001 %
Arsenic (As)	≤ 0.0003 %
Chloride (Cl)	≤ 0.01 %
Iron (Fe)	≤ 0.0005 %
Nickel (Ni)	≤ 0.0002 %
Sulfate (SO_4)	≤ 0.05 %
Tungsten (W)	≤ 0.0015 %

Rochelle salt (Potassium Sodium Tartrate) is a whitish crystalline powder with applications in electronics, piezoelectrics, electroplating, silvering of mirrors and as a chemical reagent. Rochelle salts have a large piezoelectric effect, which is electric charge induced by mechanical deformation from pressure or bending. The piezoelectric properties of Rochelle salts are useful in sensitive acoustical and vibrational devices, such as electromechanical transducers, ultrasonic generators, microphones, and electromechanical resonators.

Potassium Sodium Tartrate is also used as a reagent to break up emulsions and in the analysis of proteins.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place away from moisture.

Packaging: 55 lb/25 kg

Transport Regulations: Not regulated as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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