

Sodium Nitrate

Specifications

Property	Value
CAS Number	7631-99-4
Molecular Formula	NaNO ₃
Molecular Weight	84.99
Other Names	Chile saltpeter; Peru saltpeter
Appearance	White crystalline or powder

Item	High Pure	Superior Grade	Industry Grade
Assay	99.5% min	99.3% min	98.5% min
Moisture	1.5% max	1.8% max	2.0% max
Chloride (Cl ⁻)	0.15% max	0.24% max	
Insoluble	0.03% max	0.06% max	
Sodium Nitrite (NaNO ₂)	0.01% max	0.02% max	0.35%
Carbonate (Na ₂ CO ₃)		0.1% max	
Iron (Fe)		0.005% max	

Applications

Sodium Nitrate is an odorless, white rhombus crystal or fine white powder that is easily soluble in water and liquid ammonia, ethanol, carbinol. It is slightly dissolvable in methanol, alcohol, glycerin, acetone and ether solvents. It has strong hygroscopic properties. It is slightly bitter, easily deliquescent, and easily combustible when mixed with organic substances. Sodium Nitrate is mostly used in manufacturing nitrogen compounds, potassium nitrate, azo dyestuff, dye mordants, bleaching agents, metal heat treatment auxiliary agents, and antiseptic agents. It is widely used in textile, pharmaceutical, chemical, glass, dynamite, fireworks, metallurgical, and porcelain enamel industries.

Packaging

Packaged in 25/50kg net weight inner polypropylene/polyethylene plastic bag and outer woven bag, or as required by customer.

Storage and Handling

Store in a cool, dry, and well-ventilated location. Shelf life: 1 year. Keep product sealed and away from incompatible materials. Avoid contact with eyes, skin, and clothing. Wear protective articles as appropriate. In case of contact, rinse cautiously with water for several minutes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Consult a physician immediately if swallowed.