

SODIUM NITRATE



CAS Number: 7631-99-4

Other Names: Nitratine; Soda niter; Cubic niter; Chile saltpeter

Formula: NaNO_3 or NNaO_3

PRODUCT INTRODUCTION

Sodium nitrate is the inorganic nitrate salt of sodium. Sodium nitrate is a white solid very soluble in water. It is a readily available source of the nitrate anion (NO_3^-). It is generally used in solid propellants, explosives, fertilizers, and for many other uses.

PHYSICAL AND CHEMICAL PROPERTIES

Mass Fraction of Sodium Nitrate NaNO_3 , min, %	99.7
In terms of nitrogen, min, %	16.4
Mass fraction of oxidized compounds in terms of NaNO_2 , max, %	0.1
Mass fraction of oxidized compounds in terms of NaCl , max, %	0.2
Insoluble, max, %	0.02
Moisture Content, max, %	0.2

APPLICATIONS

- More than half of the sodium nitrate produced worldwide is used as a fertilizer for crops such as cotton, tobacco, and vegetables.
- In the field of explosives and pyrotechnics, black powder is another traditional compounds, and also includes sodium nitrate.
- Sodium nitrate is used in the food industry as a preservative of processed meats.
- It used in the production and handling of chromium and certain derivatives.
- Sodium nitrate is also used as a cement additive.

PACKAGING OPTIONS

Drums

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