



LINYI KEMELE CO., LTD

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TDS

SODIUM NITRATE

Other Names: Sodium Nitrate Tech/ industry grade, Nitrate of Soda, Soda Niter Cubic Nitre, Saliter

Cas No.	7631-99-4	EINECS No.	231-554-3
Molecular Formula	NaNO ₃	Molecular weight	84.99
Hazard Class	5.1	UN NO.	1498

Characteristics

The appearance of sodium nitrate is white fine crystal powder. It also has a granular appearance.

Melting point is 308°C. When heated to 380 ° C, it decomposes into sodium nitrite and oxygen..

The density is 2.257. Sodium nitrate soluble in water, methyl alcohol, extremely easily dissolves in ammonia, micro-dissolve in glycerin. It easily deliquesce in the air. It absorbs large amount of heat while dissolving in water. It has strong oxidizing property, It is an oxidant. It will cause combustion or explosion when it is put together with organism, sulfured etc.

Use:

This product is an important chemical material and widely used in the industry ,raw material used for enamel, glass, food, inorganic salt, fertilizer, dyes, metallurgy, machinery, medicine, cigarette, analytical chemistry, explosive and fireworks, etc.

Sodium nitrate can be used as raw material for the manufacture of potassium nitrate, dynamite, bitter acid, dyes and pharmaceuticals, and as decoloring agent, defoaming agent, melting-facilitating agent, oxidant, metal cleaning agent etc.

Specifications:

Item	Best quality	First quality	Qualified quality
Sodium nitrate content (as dry basis),%min	99.7	99.3	99
Chloride (NaCl) content (as dry basis),%max	0.15	0.15	0.24
Water insoluble substance (as dry basis), %max	0.06	0.06	0.06
Sodium nitrite(NaNO ₂) content (as dry basis),% max	0.01	0.01	0.02
Content of Sodium carbonate (as dry base), % max	0.05	0.1	0.1
Moisture content, %max	1	1.4	1.8

Packaging

Packed in 25kg plastic woven bag, 50kg/500kg/1000kg flexible freight bag, or upon clients' demand.

Storage and transportation

Stored in the dry and ventilation place and prevent sunlight exposure and rained, heated .

Avoid mixing with organic compound or sulphur or reducer during storage and transportation in case of explosion.

Handle with care against friction and bounce while handling and pile.

The fire caused bu sodium nitrate can be put out by using lots of water.