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Sodium Nitrate Granular

Other names: Sodium Nitrate Tech grade, Sodium Nitrate industry grade, Nitrate of Soda

Molecular formula: NaNO_3

Cas No.: 7631-99-4

EINECS No.: 231-554-3

UN NO.: 1498

Hazard Class: 5.1

Appearance: White granular

Molecular weight: 84.99

Specific gravity: 2.257

Melting point: 308°C.

Physical Properties

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.

Specification

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.

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.

Storage and transportation

Stored in the dry and ventilation place and prevent rain and sunlight exposure. 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.