

SODIUM NITRATE



General information

Chemical Formula	NNaO3	
Synonym	Chile saltpeter; Nitrate of soda; Cubic niter; Etabisulfite	
Origin	China	
H.S. Code	3102.50.00	
CAS No.	7631-99-4	
Molecular Weight	84.994 g mol ⁻¹	

Application

Textile Industry	Sodium nitrate is used in dyeing and printing of textiles. It is used in the manufacture of azo dyes and for oxidizing dyeings and prints with leuco vat dyes. It is a versatile bleaching agent for cellulose, synthetics and blends, especially poly-cotton blends. It is also safe for those synthetic fibers which are sensitive to alkali. Sodium Nitrate is non-sensitive metal ions and hard water under acidic conditions.
Food Industry	Sodium nitrate is also a food additive used as a preservative and color fixative in cured meats and poultry. It is listed under its INS number 251 or E number E251. It is approved for use in the EU, USA and Australia and New Zealand.
Other Applications	Sodium nitrate is also used in antiseptic dental mouthwash, wastewater industry for facultative microorganism respiration and color fixation, fertilizer, manufacture of high-strength glass and manufacture of gunpowder.

Specification

Property	Units	Value
Appearance	-	White powder or colourless crystals
Purity	%	99.0
Density at 20°C	g/cm ³	2.257
Melting point	°C	308
Boiling point	°C	380
Solubility in Water	-	900 g/L (20 °C)
Storage condition	°C	25

Packaging

1000 @ 25 kg net PP woven bag with PE inner, 25 MT / 20'FCL

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