

# SODIUM NITRATE

## Key Spec Table

<b>Chemical Formula</b>	<b>Molar Mass</b>
NNaO <sub>3</sub>	84.99 g/mol
<b>Description</b>	
<b>Synonyms</b>	Nitric acid sodium salt

<b>Product Information</b>	
<b>Hill Formula</b>	NNaO <sub>3</sub>
<b>Chemical formula</b>	NaNO <sub>3</sub>
<b>Molar Mass</b>	84.99 g/mol

<b>Physicochemical Information</b>	
<b>Density</b>	2.26 g/cm <sup>3</sup> (20 °C)
<b>Melting Point</b>	308 °C
<b>pH value</b>	5.5 - 8.0 (50 g/l, H <sub>2</sub> O, 20 °C)
<b>Bulk density</b>	1200 kg/m <sup>3</sup>
<b>Solubility</b>	874 g/l

## Toxicological Information

# SODIUM NITRATE

<b>Toxicological Information</b>	
<b>LD 50 oral</b>	LD50 Rat 1267 mg/kg
<b>Safety Information</b>	
<b>Storage class</b>	5.1B Oxidizing hazardous materials
<b>WGK</b>	WGK 1 slightly hazardous to water
<b>Disposal</b>	22 Inorganic peroxides and oxidants as well as bromine and iodine should be rendered harmless by reduction with acidic sodium thiosulfate solution container D or E. Slightly soluble oxidants should be collected separately in container E or I.
<b>Safety Information</b>	
<b>Categories of danger</b>	oxidizing, harmful
<b>Storage</b>	
<b>Storage</b>	Store at +2°C to +30°C.
<b>Specifications</b>	
<b>Assay (acidimetric, after drying)</b>	99.0 - 100.5 %
<b>Identity</b>	passes test

# SODIUM NITRATE

Specifications	
<b>pH-value (5 %; water)</b>	5.5 - 8.3
<b>Total chlorine</b>	≤ 0.2 %
<b>Nitrite (NO<sub>2</sub>)</b>	≤ 0.002 %
<b>As (Arsenic)</b>	≤ 0.0003 %
<b>Fe (Iron)</b>	≤ 0.001 %
<b>Hg (Mercury)</b>	≤ 0.0001 %
<b>K (Potassium)</b>	≤ 0.01 %
<b>Pb (Lead)</b>	≤ 0.0002 %
<b>Zn (Zinc)</b>	≤ 0.001 %
<b>Loss on Drying (105 °C)</b>	≤ 2.0 %