SO0500
Sodium nitrate, EssentQ®

Identification
$NaNO_3$
M = 84,99 g/mol
CAS [7631-99-4]
EC number: 231-554-3
Taric code: 3102 50 00

Synonyms
Nitric acid sodium salt

Applications
analytical chemistry, laboratory reagent, oxidizing agent, in food industry (E 251), preservative agent.

Specifications

assay (acidimetric)	min. 99 %	calcium (Ca)	max. 0,005 %
insoluble in water	max. 0,025 %	copper (Cu)	max. 0,001 %
pH (5 %, H2O)	5,5 - 8,3	heavy metals (as Pb)	max. 0,002 %
chlorides (Cl)	max. 0,025 %	iron (Fe)	max. 0,001 %
phosphates (as PO4)	max. 0,001 %	lead (Pb)	max. 0,001 %
sulfates (SO_4)	max. 0,01 %	magnesium (Mg)	max. 0,005 %
ammonium (NH4)	max. 0,005 %	nickel (Ni)	max. 0,001 %
arsenic (As)	max. 2 ppm	loss on drying (105 ºC)	max. 2 %

Physical data
- Appearance: crystals, white or almost white
- Spec. Density: 2,26 g/cm^3
- Bulk density: ~ 1200 kg/m^3
- Solub. in water: (20 ºC): soluble
- Melting point: 308 ºC
- pH(50 g/l H_2O, 20 ºC) 5,5 - 8,3

Safety - GHS
Signal Word: Danger

Hazard Statements:

H272: May intensify fire; oxidiser.
H319: Causes serious eye irritation.

Precautionary Statements:

P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P220: Keep / Store away from clothing / combustible materials.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ... for extinction.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage
- ADR: 5.1 O2 III • UN 1498 • SODIUM NITRATE
- IMDG: 5.1 III • UN 1498 • SODIUM NITRATE
- IATA/ICAO: 5.1 III • UN 1498 • SODIUM NITRATE
- PAX: 559
- CAO: 563
- 10°C - 30°C