

Strontium nitrate anhydrous, EssentQ®**Identification**

Sr(NO₃)₂
M = 211,63 g/mol
CAS [10042-76-9]
EC number: 233-131-9
Taric code: 2834 29 80

Synonyms

Nitric acid strontium salt

Applications

analytical chemistry, laboratory reagent, for the analysis of: metal ions traces.

Specifications

assay (complexometric).....	min. 98 %	sulfates (SO ₄).....	max. 0,02 %
acidity (as HNO ₃).....	max. 0,01 %	copper (Cu).....	max. 0,002 %
insoluble in water.....	max. 0,025 %	iron (Fe).....	max. 0,005 %
pH (5 %, H ₂ O).....	5 - 7	lead (Pb).....	max. 0,002 %
chlorides (Cl).....	max. 0,005 %	nickel (Ni).....	max. 0,002 %

Physical data

- Appearance: crystals, white
- Spec. Density: 2,99 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 660 g/l
- Melting point: 570 °C
- pH(50 g/l H₂O, 20 °C) ~ 5 - 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H318: Causes serious eye damage.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
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 1507 • STRONTIUM NITRATE
- IMDG: 5.1 III • UN 1507 • STRONTIUM NITRATE
- IATA/ICAO: 5.1 III • UN 1507 • STRONTIUM NITRATE
- PAX: 516
- CAO: 518
- 15°C - 25°C