

Identification

KNO₂
M = 85,11 g/mol
CAS [7758-09-0]
EC number: 231-832-4
Taric code: 2834 10 00

Synonyms

Nitrous acid potassium salt

Applications

analytical chemistry, laboratory reagent, in food industry, preservative agent (E-249), for determination of: aminoacids, cobalt, iodine, urea.

Specifications

assay (permanganometric).....	min. 96,0 %	sulfates (SO ₄).....	max. 0,01 %
insoluble in water.....	max. 0,01 %	calcium (Ca).....	max. 0,003 %
pH (5 %, H ₂ O).....	7,0 - 10,0	heavy metals (as Pb).....	max. 0,001 %
chlorides (Cl).....	max. 0,01 %	iron (Fe).....	max. 0,001 %
		sodium (Na).....	max. 0,5 %

Physical data

- Appearance: bright crystals, yellow
- Spec. Density: 1,92 g/cm³
- Bulk density: ~ 700 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 440 °C
- pH(50 g/l H₂O, 20 °C) ~ 7 - 10
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H301: Toxic if swallowed.
H400: Very toxic to aquatic life.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 II • UN 1488 • POTASSIUM NITRITE
- IMDG: 5.1 II • UN 1488 • POTASSIUM NITRITE
- IATA/ICAO: 5.1 II • UN 1488 • POTASSIUM NITRITE
- PAX: 508
- CAO: 511
- 10°C - 30°C