

Identification

NaNO₂
M = 69,00 g/mol
CAS [7632-00-0]
EC number: 231-555-9
Taric code: 2834 10 00

Applications

analytical chemistry, laboratory reagent, oxidizing agent, synthesis of organic products, manufacture of dyes (in the textile industry), photography, in food industry.

Specifications

assay (permanganometric)..... min. 99 %
identity (IR-spectrum)..... passes test
insoluble in water..... max. 0,01 %
chlorides (Cl)..... max. 0,005 %

sulfates (SO₄)..... max. 0,005 %
calcium (Ca)..... max. 0,002 %
heavy metals (as Pb)..... max. 0,001 %
iron (Fe)..... max. 0,001 %
potassium (K)..... max. 0,005 %

Physical data

- Appearance: crystals, yellow
- Spec. Density: 2,1 g/cm³
- Bulk density: ~ 1200 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 280 °C (decomposes)
- Ignition temperature: 489 °C
- pH(100 g/l H₂O, 20 °C) 9
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H319: Causes serious eye irritation.
H272: May intensify fire; oxidiser.
H400: Very toxic to aquatic life.



Precautionary Statements:

- P221: Take any precaution to avoid mixing with combustibles.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 OT2 III • UN 1500 • SODIUM NITRITE
- IMDG: 5.1 III • UN 1500 • SODIUM NITRITE
- IATA/ICAO: 5.1 III • UN 1500 • SODIUM NITRITE
- PAX: 516
- CAO: 518
- 10°C - 30°C