

Identification

NaIO_3
M = 197,89 g/mol
CAS [7681-55-2]
EC number: 231-672-5
Taric code: 2829 90 80

Applications

analytical chemistry, laboratory reagent, antiseptic.

Specifications

assay (iodometric).....	min. 99,5 %	sulfates (SO_4).....	max. 0,005 %
insoluble in water.....	max. 0,005 %	total nitrogen (as N).....	max. 0,002 %
pH (5 %, H_2O).....	5 - 8	heavy metals (as Pb).....	max. 5 ppm
chlorides, chlorates,		iron (Fe).....	max. 0,001 %
bromides and bromates (as Cl).....	max. 0,02 %	potassium (K).....	max. 0,02 %
iodides (I).....	max. 0,002 %	loss on drying (130 °C).....	max. 0,1 %

Physical data

- Spec. Density: ~ 4,28 g/cm³
- Bulk density: ~ 1150 kg/m³
- Solub. in water: (20 °C): 81 g/l
- pH(90 g/l H_2O , 25 °C) ~ 5,8

Safety - GHS

Signal Word: Danger

Hazard Statements:

H271: May cause fire or explosion; strong oxidiser.



Precautionary Statements:

- P221: Take any precaution to avoid mixing with combustibles.
P283: Wear fire / flame resistant / retardant clothing.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P370+P378: In case of fire: Use ... for extinction.
P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Sodium iodate)
- IMDG: 5.1 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Sodium iodate)
- IATA/ICAO: 5.1 II • UN 1479 • OXIDIZING SOLID, N.O.S. (Sodium iodate)
- PAX: 508
- CAO: 511
- 10°C - 30°C