

Identification

NaIO₄
M = 213,89 g/mol
CAS [7790-28-5]
EC number: 232-197-6
Taric code: 2829 90 80

Synonyms

Sodium periodate

Applications

analytical chemistry, laboratory reagent, synthesis of organic products, for laboratory glassware cleaning.

Specifications

assay (iodometric, on dried sample).....	99,8 - 100,3 %	other halogens (as Cl).....	max. 0,01 %
identity.....	passes test	sulfates (SO ₄).....	max. 0,005 %
pH (5 %, H ₂ O).....	4,0 - 4,5	manganese (Mn).....	max. 1 ppm

Physical data

- Appearance: crystals, almost white
- Spec. Density: 3,87 g/cm³
- Bulk density: 2000 - 2400 kg/m³
- Solub. in water: (20 °C): 91 g/l
- Melting point: 300 °C (decomposes)
- pH(50 g/l H₂O, 20 °C) ~ 5,2

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 I • UN 1479 • OXIDIZING SOLID, N.O.S.(Sodium metaperiodate)
- IMDG: 5.1 I • UN 1479 • OXIDIZING SOLID, N.O.S. (Sodium metaperiodate)
- IATA/ICAO: 5.1 I • UN 1479 • OXIDIZING SOLID, N.O.S. (Sodium metaperiodate)
- PAX: 509
- CAO: 512
- 10°C - 30°C