

Identification

Nal
M = 149,89 g/mol
CAS [7681-82-5]
EC number: 231-679-3
Taric code: 2827 60 00

Applications

analytical chemistry, laboratory reagent, photography, synthesis of organic products, in optics, in the pharmaceuticals industry.

Specifications

| | | | |
|---|----------------------|--|--------------|
| assay (iodometric)..... | min. 99,5 % | sulfates (SO ₄)..... | max. 0,002 % |
| assay (iodometric, referred to dried sample)..... | 99,0 - 100,5 % | thiosulfates (S ₂ O ₃)..... | passes test |
| identity (IR-spectrum)..... | passes test | barium (Ba)..... | max. 0,002 % |
| appearance of solution..... | clear and colourless | calcium (Ca)..... | max. 0,001 % |
| insoluble in water..... | max. 0,01 % | copper (Cu)..... | max. 1 ppm |
| alkalinity..... | passes test | heavy metals (as Pb)..... | max. 5 ppm |
| pH (5 %, H ₂ O)..... | 6,0 - 9,0 | iron (Fe)..... | max. 5 ppm |
| chlorides and bromides (as Cl)..... | max. 0,01 % | lead (Pb)..... | max. 1 ppm |
| iodates (IO ₃)..... | passes test | magnesium (Mg)..... | max. 0,001 % |
| iodates (IO ₃)..... | max. 3 ppm | nickel (Ni)..... | max. 0,1 ppm |
| phosphates (as PO ₄)..... | max. 0,001 % | potassium (K)..... | max. 0,01 % |
| | | loss on drying (105 °C)..... | max. 3,0 % |

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 3,67 g/cm³
- Bulk density: ~ 1500 - 2000 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 662 °C
- Boiling point: 1304 °C
- Vapour pressure: (767 °C) 1,3 hPa
- pH(50 g/l H₂O, 20 °C) ~ 6 - 9

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H315: Causes skin irritation.
H319: Causes serious eye irritation.
H372: Causes damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.



Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P273: Avoid release to the environment.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Sodium iodide)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Sodium iodide)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Sodium iodide)
- PAX: 956
- CAO: 956
- 10°C - 30°C