

## 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, in pharmaceutical industry.

## Specifications

|   |                      |  |              |
|---|----------------------|--|--------------|
| assay (iodometric, referred to dried sample)..... | 99,0 - 100,5 %       | nitrites and ammonia.....                          | passes test  |
| Identification sodium.....                        | passes test          | sulfates (SO <sub>4</sub> ).....                   | max. 150 ppm |
| Identification iodides.....                       | passes test          | thiosulfates (S <sub>2</sub> O <sub>3</sub> )..... | passes test  |
| appearance of solution.....                       | clear and colourless | thiosulfates and barium.....                       | passes test  |
| alkalinity.....                                   | passes test          | iron (Fe).....                                     | max. 20 ppm  |
| iodates (IO <sub>3</sub> ).....                   | passes test          | potassium (K).....                                 | passes test  |
| iodates (IO <sub>3</sub> ).....                   | max. 4 ppm           | loss on drying (105 °C).....                       | max. 3,0 %   |
|   |                      | water (K.F.).....                                  | max. 2,0 %   |

## Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 3,67 g/cm<sup>3</sup>
- Bulk density: ~ 1500 - 2000 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 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