

Identification

I₂

M = 253,81 g/mol

CAS [7553-56-2]

EC number: 231-442-4

Taric code: 2801 20 00

Applications

synthesis of organic products, inorganic salts, for pharmaceuticals synthesizing, disinfectant, stabilizer, manufacture of dyes, colouring agent, photography, catalyst, in the rubber industry, analytical chemistry, in biochemistry and for biology, in pharma industry.

Specifications

assay (iodometric).....99,8 - 100,5 %
identification A (EP)..... passes test
identification B (EP/USP)..... passes test

Identification A (USP)..... passes test
chlorides and bromides (as Cl)..... max. 250 ppm
limit of nonvolatile residue.....max. 0,05 %

Physical data

- Appearance: bright pearls, dark grey
- Spec. Density: 4,93 g/cm³
- Bulk density: ~ 2100 kg/m³
- Solub. in water: (20 °C): 0,29 g/l
- Melting point: 114 °C
- Boiling point: 185 °C
- Vapour pressure: (25 °C) 0,41 hPa
- pH(saturated solution H₂O, 20 °C) 5,4

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H400: Very toxic to aquatic life.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.



Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P322: Specific measures (see on this label).
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363: Wash contaminated clothing before reuse.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 14000 mg/kg
- MAK: 0,1 ml/m³, 1,1 mg/m³
- WGK: 1
- Poison class CH (Swiss): 2

Transport/storage

- ADR: 8 CT2 III • UN 3495 • IODINE
- IMDG: 8 III • UN 3495 • IODINE
- IATA/ICAO: 8 III • UN 3495 • IODINE
- PAX: 619
- CAO: 619