

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 (USP).....	passes test
Identification A (EP).....	passes test	chlorides and bromides (as Cl).....	max. 250 ppm
Identification B (EP/USP).....	passes test	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: Danger

Hazard Statements:

- H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory 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.
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).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.



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
- 10°C - 30°C