

Mercury(II) iodide, red, for analysis, ExpertQ®, ACS

Identification

HgI₂
M = 454,40 g/mol
CAS [7774-29-0]
EC number: 231-873-8
Taric code: 2852 10 00

Applications

analytical chemistry, laboratory reagent.

Specifications

assay (iodometric, on dried sample)..... min. 99 %	iron (Fe)..... max. 0,001 %
insoluble in a solution of KI..... passes test	mercury (I) (as Hg)..... max. 0,1 %
soluble mercury salts (as Hg)..... max. 0,05 %	other heavy metals (as Pb)..... max. 0,001 %
	Residue after reduction (calcination residue, as sulfate) max. 0,02 %

Physical data

- Spec. Density: (25 °C) 6,36 g/cm³
- Bulk density: ~ 1350 kg/m³
- Solub. in water: (25 °C): 0,06 g/l
- Melting point: 259 °C
- Boiling point: 354 °C
- Vapour pressure: (60 °C) ~ 0,001 hPa
- pH(50 g/l H₂O, 20 °C) 6 - 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H300: Fatal if swallowed.
H310: Fatal in contact with skin.
H330: Fatal if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.



Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P284: Wear respiratory protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P320: Specific treatment is urgent (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 II • UN 1638 • MERCURY IODIDE
- IMDG: 6.1 II • UN 1638 • MERCURY IODIDE
- IATA/ICAO: 6.1 II • UN 1638 • MERCURY IODIDE
- PAX: 613
- CAO: 615
- 10°C - 30°C