

**Mercury(II) iodide, red, reagent grade, ACS****Identification**

HgI<sub>2</sub>  
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 %	mercury (I) (as Hg).....	max. 0,1 %
insoluble in a solution of KI.....	passes test	other heavy metals (as Pb).....	max. 0,001 %
soluble mercury salts (as Hg).....	max. 0,05 %	Residue after reduction	
iron (Fe).....	max. 0,001 %	(calcination residue, as sulfate).....	max. 0,02 %

**Packaging****Packaging Code**

50 g ☒ ME02500050  
250 g ☒ ME02500250  
1 kg ☒ ME02501000

**Physical data**

- Spec. Density: (25 °C) 6,36 g/cm<sup>3</sup>
- Bulk density: ~ 1350 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 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.  
P320: Specific treatment is urgent (see on this label).  
P361: Remove / Take off immediately all contaminated clothing.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 18 mg/kg
- MAK: 0,1 mg/m<sup>3</sup>
- WGK: 3
- Poison class CH (Swiss): 2

**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