

## Identification

HgO  
M = 216,59 g/mol  
CAS [21908-53-2]  
EC number: 244-654-7  
Taric code: 2852 10 00

## Applications

analytical chemistry, laboratory reagent, catalyst (synthesis of organic products), painting, pigment (in porcelain industry), for determination of nitrogen (Kjeldahl).

## Specifications

assay (complexometric).....	min. 99,0 %	sulfates (SO <sub>4</sub> ).....	max. 0,01 %
identity (IR-spectrum).....	passes test	nitrogen compounds (as N).....	max. 0,005 %
insoluble in HCl .....	max. 0,03 %	cadmium (Cd).....	max. 0,001 %
chlorides (Cl).....	max. 0,025 %	iron (Fe).....	max. 0,003 %
		residue after reduction.....	max. 0,05 %

## Physical data

- Appearance: lumpy powder, orange
- Spec. Density: 11,1 g/cm<sup>3</sup>
- Bulk density: ~ 3000 kg/m<sup>3</sup>
- Solub. in water: (25 °C): 0,052 g/l
- Melting point: > 400 °C (decomposes)
- Vapour pressure: (20 °C) 0,0012 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.  
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 1641 • MERCURY OXIDE
- IMDG: 6.1 II • UN 1641 • MERCURY OXIDE
- IATA/ICAO: 6.1 II • UN 1641 • MERCURY OXIDE
- PAX: 613
- CAO: 615