

Mercury(II) sulfate, EssentQ®

Identification

HgSO₄
M = 296,65 g/mol
CAS [7783-35-9]
EC number: 231-992-5
Taric code: 2852 10 00

Synonyms

Mercury bisulfate

Applications

analytical chemistry, laboratory reagent, electrolyte for batteries.

Specifications

assay (complexometric).....	min. 99 %	iron (Fe).....	max. 0,005 %
identification.....	passes test	lead (Pb).....	max. 0,005 %
insoluble in H ₂ SO ₄	max. 0,01 %	mercury (I) (as Hg).....	max. 0,2 %
chlorides (Cl).....	max. 0,005 %	nickel (Ni).....	max. 0,005 %
copper (Cu).....	max. 0,005 %	Residue after reduction (calcination residue, as sulfate)	max. 0,1 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: ~ 6,47 g/cm³
- Bulk density: ~ 670 kg/m³
- Solub. in water: (20 °C): hydrolysis reaction
- Ignition temperature: > 450 °C
- pH(50 g/l H₂O, 20 °C) ~ 1

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.
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 1645 • MERCURY SULPHATE
- IMDG: 6.1 II • UN 1645 • MERCURY SULPHATE
- IATA/ICAO: 6.1 II • UN 1645 • MERCURY SULPHATE
- PAX: 613
- CAO: 615
- 10°C - 30°C