

Identification

SeO₂
M = 110,96 g/mol
CAS [7446-08-4]
EC number: 231-194-7
Taric code: 2811 29 90

Synonyms

Selenium(IV) oxide, Selenious anhydride

Applications

laboratory reagent, synthesis of organic products, oxidizing agent.

Specifications

assay (iodometric).....min. 98 %

Physical data

- Appearance: elongate crystals, white or almost white
- Bulk density: 1500 kg/m³
- Solub. in water: (14 °C): 384 g/l
- Vapour pressure: (70 °C) 16 hPa
- pH(10 g/l H₂O, 20 °C) 2
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H331: Toxic 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.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment (see on this label).
P311: Call a POISON CENTER or doctor / physician.
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 3283 • SELENIUM COMPOUND, SOLID, N.O.S.(Selenium dioxide)
- IMDG: 6.1 II • UN 3283 • SELENIUM COMPOUND, SOLID, N.O.S.(Selenium dioxide)
- IATA/ICAO: 6.1 II • UN 3283 • SELENIUM COMPOUND, SOLID, N.O.S.(Selenium dioxide)
- PAX: 613
- CAO: 615
- 10°C - 30°C