

Identification

Zn
M = 65,38 g/mol
CAS [7440-66-6]
EC number: 231-175-3
Taric code: 7903 90 00

Applications

analytical chemistry, laboratory reagent, electrical conductor, in galvanotechnia (corrosion inhibitor), electrolyte for batteries, metal alloys, reducing agent.

Specifications

assay (complexometric)..... min. 97 %	cadmium (Cd)..... max. 0,05 %
insoluble in HCl max. 0.05 %	iron (Fe)..... max. 0,005 %
arsenic (As)..... max. 0,0001 %	lead (Pb)..... max. 0,01 %

Physical data

- Appearance: floury powder, grey
- Spec. Density: 7,14 g/cm³
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: 420 °C
- Boiling point: 908 °C
- Ignition temperature: 460 °C
- Vapour pressure: (487 °C) 1,33 hPa

Safety - GHS

Signal Word: Danger

Hazard Statements:

H250: Catches fire spontaneously if exposed to air.
H260: In contact with water releases flammable gases which may ignite spontaneously.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.



Precautionary Statements:

P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P222: Do not allow contact with air.
P370+P378: In case of fire: Use ... for extinction.
P422: Store contents under...
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 4.3 WS III • UN 1436 • ZINC POWDER or ZINC DUST
- IMDG: 4.3 III • UN 1436 • ZINC DUST
- IATA/ICAO: 4.3 III • UN 1436 • ZINC DUST
- PAX: 419
- CAO: 420
- 10°C - 30°C