

Identification

ZnCl₂
M = 136,28 g/mol
CAS [7646-85-7]
EC number: 231-592-0
Taric code: 2827 39 85

Applications

analytical chemistry, laboratory reagent, catalyst, synthesis of organic products, in pharma industry.

Specifications

assay (complexometric).....	97,0 - 100,5 %	ammonium (NH ₄).....	max. 400 ppm
Identification zinc.....	passes test	limit of ammonium salts.....	passes test
Identification chloride.....	passes test	sulfates (SO ₄).....	max. 200 ppm
pH (10 %, H ₂ O).....	4,6 - 5,5	oxychlorides.....	passes test
alkali and alkaline-earth salts.....	max. 1,0 %	aluminium, calcium iron and magnesium.....	passes test
		lead (Pb)	max. 0,005 %

Physical data

- Appearance: powder, white or almost white
- Spec. Density: ~ 2,9 g/cm³
- Bulk density: ~ 1400 - 1800 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 318 °C
- Boiling point: 730 °C
- pH(100 g/l H₂O, 20 °C) ~ 5

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H302: Harmful if swallowed.

Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately 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: 8 C2 III • UN 2331 • ZINC CHLORIDE, ANHYDROUS
- IMDG: 8 III • UN 2331 • ZINC CHLORIDE, ANHYDROUS
- IATA/ICAO: 8 III • UN 2331 • ZINC CHLORIDE, ANHYDROUS
- PAX: 822
- CAO: 823
- 10°C - 30°C