CI0185
Zinc nitrate hexahydrate, for analysis, ExpertQ®

Identification
$Zn(NO_3)_2 \cdot 6H_2O$
M = 297,51 g/mol
CAS [10196-18-6]
EC number: 231-943-8
Taric code: 2834 29 80

Synonyms
Nitric acid zinc salt hexahydrate

Applications
analytical chemistry, laboratory reagent, oxidizing agent, catalyst, mordant/corrosive.

Specifications

assay (complexometric)	98,5 - 102 %	calcium (Ca)	max. 0,001 %
insoluble in water	max. 0,005 %	copper (Cu)	max. 5 ppm
free acid (as HNO3)	max. 0,02 %	iron (Fe)	max. 0,001 %
chlorides (Cl)	max. 0,002 %	lead (Pb)	max. 0,005 %
sulfates (SO_4)	max. 0,01 %	magnesium (Mg)	max. 0,002 %
ammonia (NH3)	max. 0,01 %	nickel (Ni)	max. 5 ppm

Physical data
- Appearance: humid crystals, colourless or white
- Spec. Density: 2,06 g/cm^3
- Solub. in water: (20 ºC): soluble
- Melting point: ~ 36 ºC
- pH(50 g/l H_2O, 20 ºC) 5,1
- Hygroscopic

Safety - GHS
Signal Word: Danger

Hazard Statements:

H272: May intensify fire; oxidiser.

Precautionary Statements:

P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P220: Keep / Store away from clothing / combustible materials.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P370+P378: In case of fire: Use ... for extinction.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage
- ADR: 5.1 O2 II • UN 1514 • ZINC NITRATE
- IMDG: 5.1 II • UN 1514 • ZINC NITRATE
- IATA/ICAO: 5.1 II • UN 1514 • ZINC NITRATE
- PAX: 508
- CAO: 511
- 15°C - 25°C