HI0340
Iron(III) nitrate nonahydrate, EssentQ®, Reag. Ph Eur

Identification

$Fe(NO_3)_3 \cdot 9H_2O$
M = 404,00 g/mol
CAS [7782-61-8]
EC number: 233-899-5
Taric code: 2834 29 80

Applications

analytical chemistry, oxidizing agent, laboratory reagent.

Specifications

assay (iodometric)	min. 99,0 %
insoluble in water	max. 0,05 %
free acid (as HNO3)	max. 0,3 %
chlorides (Cl)	max. 0,005 %
sulfates (SO_4)	max. 0,01 %
calcium (Ca)	max. 0,02 %
copper (Cu)	max. 0,005 %
iron (II) (Fe (II))	max. 0,01 %
lead (Pb)	max. 0,005 %
magnesium (Mg)	max. 0,02 %
zinc (Zn)	max. 0,01 %

Physical data

- Appearance: crystals, light humid purple
- Spec. Density: 1,68 g/cm^3
- Bulk density: ~ 900 kg/m^3
- Solub. in water: (20 ºC): soluble
- Melting point: 47 ºC (decomposes)
- pH(100 g/l H_2O, 20 ºC) ~ 1,3

Safety - GHS

Signal Word: Danger

Hazard Statements:

H272: May intensify fire; oxidiser.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements:

P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ... for extinction.
P321: Specific treatment (see on this label).
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 III • UN 1466 • FERRIC NITRATE
- IMDG: 5.1 III • UN 1466 • FERRIC NITRATE
- IATA/ICAO: 5.1 III • UN 1466 • FERRIC NITRATE
- PAX: 516
- CAO: 518
- 15°C - 25°C