BA0053
Barium chloride dihydrate, EssentQ®

Identification

$BaCl_2 \cdot 2H_2O$
M = 244,28 g/mol
CAS [10326-27-9]
EC number: 233-788-1
Taric code: 2827 39 85

Applications

analytical chemistry, for determination of: sulfates.

Specifications

assay (complexometric)	99 - 102 %
identity (IR-spectrum)	passes test
insoluble in water	max. 0,02 %
pH (5 %, H2O)	5,2 - 8,0
nitrogen compounds (as N)	max. 0,003 %
calcium (Ca)	max. 0,2 %
copper (Cu)	max. 0,002 %
heavy metals (as Pb)	max. 0,001 %
iron (Fe)	max. 0,001 %
lead (Pb)	max. 0,002 %
nickel (Ni)	max. 0,002 %
strontium (Sr)	max. 0,2 %
non precipitable with diluted H2SO4	max. 0,1 %

Physical data

- Bulk density: ~ 1200 - 1400 kg/m^3
- Solub. in water: (20 ºC): 357 g/l
- Melting point: 962 ºC (release of crystalline water)
- pH(50 g/l H_2O, 20 ºC) ~ 5,2 - 8,2

Safety - GHS

Signal Word: Danger

Hazard Statements:

H301: Toxic if swallowed.
H332: Harmful if inhaled.

Precautionary Statements:

P261: Avoid breathing 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).
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- IMDG: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- IATA/ICAO: 6.1 III • UN 1564 • BARIUM COMPOUND, N.O.S.(Barium chloride dihydrate)
- PAX: 619
- CAO: 619
- 10°C - 30°C