

Barium chloride dihydrate, EssentQ®

Identification

BaCl₂·2H₂O

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 %	copper (Cu).....	max. 0,002 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 0,001 %
insoluble in water.....	max. 0,02 %	iron (Fe).....	max. 0,001 %
pH (5 %, H ₂ O).....	5,2 - 8,0	lead (Pb).....	max. 0,002 %
nitrogen compounds (as N).....	max. 0,003 %	nickel (Ni).....	max. 0,002 %
calcium (Ca).....	max. 0,2 %	strontium (Sr)	max. 0,2 %
		non precipitable with diluted H ₂ SO ₄	max. 0,1 %

Physical data

- Bulk density: ~ 1200 - 1400 kg/m³
- Solub. in water: (20 °C): 357 g/l
- Melting point: 962 °C (release of crystalline water)
- pH(50 g/l H₂O, 20 °C) ~ 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