

Identification

CaCl₂
M = 110,99 g/mol
CAS [10043-52-4]
EC number: 233-140-8
Taric code: 2827 20 00

Synonyms

Chloro calcium

Applications

analytical chemistry, laboratory reagent, desiccant.

Specifications

assay (argentometric).....	min. 96 %	copper (Cu).....	max. 5 ppm
acidity (as HCl).....	max. 0,005 %	iron (Fe).....	max. 0,0025 %
alkalinity (as Ca(OH) ₂).....	max. 0,5 %	lead (Pb).....	max. 5 ppm
nitrate (NO ₃).....	max. 0,01 %	magnesium (Mg).....	max. 0,1 %
phosphates (as PO ₄).....	max. 0,001 %	manganese (Mn).....	max. 5 ppm
sulfates (SO ₄).....	max. 0,02 %	nickel (Ni).....	max. 5 ppm
ammonium (NH ₄).....	max. 0,005 %	potassium (K).....	max. 0,1 %
arsenic (As).....	max. 0,0001 %	sodium (Na).....	max. 0,1 %
barium (Ba).....	max. 0,02 %	zinc (Zn).....	max. 0,01 %

Physical data

- Appearance: powder or granulated powder, white
- Spec. Density: 2,15 g/cm³
- Solub. in water: (20 °C): 740 g/l
- Melting point: 772 °C
- Boiling point: > 1600 °C
- pH(100 g/l H₂O, 20 °C) ~ 8 - 10
- Hygroscopic

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.


Precautionary Statements:

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313: If eye irritation persists: Get medical advice / attention.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C