

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. 95 %	arsenic (As).....	max. 1 ppm
insoluble in water and precipitable with		copper (Cu).....	max. 0,002%
ammonia.....	max. 0,1 %	iron (Fe).....	max. 0,005%
acidity (as HCl).....	max. 0,01 %	lead (Pb).....	max. 0,002%
phosphates (as PO ₄).....	max. 0,005 %	nickel (Ni).....	max. 0,002%
sulfates (SO ₄).....	max. 0,05 %		
ammonium (NH ₄).....	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.

P337+P313: If eye irritation persists: Get medical advice / attention.

Toxicological data

- LD 50 (oral, rat): 1000 mg/kg
- WGK: 1
- Poison class CH (Swiss): F