

Identification

CaO
M = 56,08 g/mol
CAS [1305-78-8]
EC number: 215-138-9
Taric code: 2825 90 19

Synonyms

Lime, caustic; Quicklime

Applications

analytical chemistry, for pharmaceuticals synthesizing, absorbent for: water and carbon dioxide, laboratory reagent.

Specifications

assay (complexometric).....	min. 90 %	copper (Cu).....	max. 0,01 %
chlorides (Cl).....	max. 0,05 %	iron (Fe).....	max. 0,1 %
sulfates (SO ₄).....	max. 0,1 %	nickel (Ni).....	max. 0,01 %
		lead (Pb).....	max. 0,01 %

Physical data

- Appearance: blocks , greyish, up to 4cm
- Spec. Density: ~ 3,37 g/cm³
- Bulk density: ~ 800 - 1200 kg/m³
- Solub. in water: (20 °C): 1,65 g/l (exothermic reaction)
- Melting point: 2580 °C
- Boiling point: 2850 °C
- pH(saturated solution H₂O, 20 °C) 12,6

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor / physician.

Transport/storage

- ADR: 8 C6 III • UN 1910 • Calcium oxide
- IMDG: 8 III • UN 1910 • CALCIUM OXIDE
- IATA/ICAO: 8 III • UN 1910 • CALCIUM OXIDE
- PAX: 822
- CAO: 823
- 10°C - 30°C