

Copper(II) hydroxide carbonate, EssentQ®

Identification

$\text{CuCO}_3 \cdot \text{Cu(OH)}_2$
M = 221,20 g/mol
CAS [12069-69-1]
EC number: 235-113-6
Taric code: 2836 99 11

Synonyms

Copper(II) carbonate hydroxide, Copper(II) carbonate basic

Applications

in pyrotechnics, in galvanotechnia, for the synthesis of: copper salts.

Specifications

assay (iodometric).....	min. 95 %	lead (Pb).....	max. 0,03 %
chlorides (Cl).....	max. 0,01 %	nickel (Ni).....	max. 0,05 %
sulfates (SO ₄).....	max. 0,05 %	zinc (Zn).....	max. 0,02 %
iron (Fe).....	max. 0,05 %	non precipitable with H ₂ S (as SO ₄).....	max. 1 %

Physical data

- Spec. Density: ~ 4,0 g/cm³
- Bulk density: ~ 350 kg/m³
- Solub. in water: (20 °C): insoluble
- Melting point: 200 °C
- pH(50 g/l H₂O, 20 °C) ~ 8 - 9

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H302+H332: Harmful if swallowed or if inhaled.
H319: Causes serious eye irritation.
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
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.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Copper(II) hydroxide carbonate)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Copper(II) hydroxide carbonate)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Copper(II) hydroxide carbonate)
- PAX: 956
- CAO: 956