

**Identification**

Ce(NO<sub>3</sub>)<sub>3</sub>·6H<sub>2</sub>O  
M = 434,23 g/mol  
CAS [10294-41-4]  
EC number: 233-297-2  
Taric code: 2846 10 00

**Applications**

analytical chemistry, laboratory reagent, inorganic salts.

**Specifications**

assay (complexometric)..... min. 98,5 %	heavy metals (as Pb)..... max. 0,002 %
chlorides (Cl)..... max. 0,003 %	iron (Fe)..... max. 0,001 %

**Physical data**

- Appearance: humid crystals, colourless or white
- Bulk density: ~ 1050 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- pH(100 g/l H<sub>2</sub>O, 25 °C) ~ 3,7

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

H272: May intensify fire; oxidiser.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.  
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P220: Keep / Store away from clothing / combustible materials.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P370+P378: In case of fire: Use ... for extinction.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 5.1 O2 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- IMDG: 5.1 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- IATA/ICAO: 5.1 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- PAX: 508
- CAO: 511
- 10°C - 30°C