

**Ammonium cerium(IV) nitrate, EssentQ®****Identification** $(\text{NH}_4)_2[\text{Ce}(\text{NO}_3)_6]$ 

M = 548,23 g/mol

CAS [16774-21-3]

EC number: 240-827-6

Taric code: 2846 10 00

**Synonyms**

di-Ammonium hexanitratocerate (IV), Ceric ammonium nitrate

**Applications**

analytical chemistry, titrant in volumetric analysis.

**Specifications**

assay (oxidimetric)..... min. 99 %

**Physical data**

- Bulk density: 1200 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: ~ 108 °C
- pH(50 g/l H<sub>2</sub>O,20 °C) 1

**Safety - GHS****Signal Word:** Danger**Hazard Statements:**

H272: May intensify fire; oxidiser.

H318: Causes serious eye damage.

**Precautionary Statements:**

P221: Take any precaution to avoid mixing with combustibles.

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.

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.

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