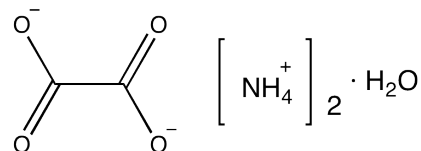


di-Ammonium oxalate monohydrate, EssentQ®
Identification

$(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$
 M = 142,11 g/mol
 CAS [6009-70-7]
 EC number: 214-202-3
 Taric code: 2917 11 00


Synonyms

Oxalic acid ammonium salt

Applications

analytical chemistry, for determination of: calcium, lead, rare earth metals.

Specifications

assay (permanganometric).....	min. 99 %	arsenic (As).....	max. 0,00005 %
insoluble in water.....	max. 0,02 %	calcium (Ca).....	max. 0,002 %
pH (2,5 %, H ₂ O).....	6 - 7	copper (Cu).....	max. 0,002 %
chlorides (Cl).....	max. 0,005 %	heavy metals (as Pb).....	max. 0,002 %
phosphates (as PO ₄).....	max. 0,01 %	iron (Fe).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,01 %	lead (Pb).....	max. 0,002 %
nitrates (NO ₃).....	max. 0,005 %	nickel (Ni).....	max. 0,002 %
		residue on ignition (as SO ₄).....	max. 0,1 %

Physical data

- Appearance: crystals, white or colourless
- Spec. Density: 1,50 g/cm³
- Bulk density: ~ 480 kg/m³
- Solub. in water: (20 °C): ~ 45 g/l
- Melting point: 70 °C
- pH(50 g/l H₂O, 25 °C) ~ 6,3

Safety - GHS

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed.
 H312: Harmful in contact with skin.


Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P264: Wash thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P321: Specific treatment (see on this label).
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T2 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S.(di-Ammonium oxalate monohydrate)
- IMDG: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (di-Ammonium oxalate monohydrate)
- IATA/ICAO: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (di-Ammonium oxalate monohydrate)
- PAX: 655
- CAO: 619
- 10°C - 30°C