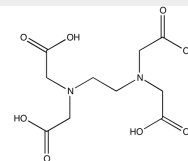


Ethylenediaminetetraacetic acid, EDTA, EssentQ®

Identification

$C_{10}H_{16}N_2O_8$
M = 292,25 g/mol
CAS [60-00-4]
EC number: 200-449-4
Taric code: 2922 49 95



Synonyms

Ethylenedinitrilotetraacetic acid, Edetic acid, EDTA

Applications

analytical chemistry, antioxidant (in food industry), synthesis of organic products, for pharmaceuticals synthesizing.

Specifications

assay (complexometric)..... min. 98 %	residue on ignition..... max. 0,1 %
identity (IR-spectrum)..... passes test	water (K.F.)..... max. 0,5 %

Physical data

- Appearance: crystalline powder, white
- Spec. Density: 0,86 g/cm³
- Bulk density: ~ 600 kg/m³
- Solub. in water: (20 °C): ~ 0,5 g/l
- Melting point: 220 °C (decomposes)
- Flash point: > 100 °C
- Ignition temperature: > 200 °C
- Vapour pressure: (20 °C) < 0,013 hPa
- pH(10 g/l H₂O, 23 °C) ~ 2,5

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C