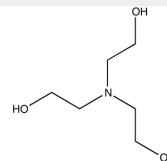


Identification

$C_6H_{15}NO_3$
 M = 149,19 g/mol
 CAS [102-71-6]
 EC number: 203-049-8
 Taric code: 2922 13 10


Synonyms

Tris (2-hydroxyethyl)amine, 2,2',2''-Trihydroxytriethylamine, TEA

Applications

corrosion inhibitor, cosmetics, emulsifier, in the textile industry, herbicide, manufacturing of synthetic resins, in building materials, manufacture of dyes, in lubricant compositions, in the pharmaceuticals industry, in pharma industry.

Specifications

assay (acidimetric, on dried sample)..... 99,0 - 103,0 %
 Identification C (EP)..... passes test
 Identification C (USP)..... passes test
 Identification D (EP)/B (USP) passes test
 Identification IR..... passes test
 density (25°/25°)..... 1,120 - 1,128
 density (20°/20°)..... 1,120 - 1,130
 refractive index n₂₀/D..... 1,482 - 1,485

appearance of solution..... clear and colourless
 Related substances:
 impurity A..... max. 0,1 %
 impurity B..... max. 0,5 %
 impurity C..... max. 24 ppb
 total impurities..... max. 1,0 %
 disregard limit..... max. 0,05 %
 residue on ignition..... max. 0,05 %
 water (K.F.)..... max. 0,5 %

Physical data

- Density: 1,12 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 21,2 °C
- Boiling point: (hPa) 208 °C
- Flash point: 190 °C
- Ignition temperature: 325 °C
- Vapour pressure: (21 °C) 0,0003 hPa
- Expl. limit (upper): 7,2 Vol%
- Expl. limit (lower): 3,6 Vol%
- pH(15 g/l H₂O, 20 °C) 10,5
- Hygroscopic

Transport/storage

- 10°C - 30°C