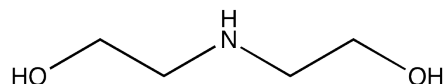


Identification

$C_4H_{11}NO_2$
M = 105,14 g/mol
CAS [111-42-2]
EC number: 203-868-0
Taric code: 2922 12 00



Synonyms

2,2'-Iminodiethanol, Bis(b-hydroxyethyl)amine, 2,2'-Dihydroxydiethylamine

Applications

analytical chemistry, in the rubber industry, cosmetics, as raw material for drug manufacture, in lubricant compositions (in the textile industry), synthesis of organic products, herbicide.

Specifications

assay (acidimetric, referred to
dried sample)..... 98,5 - 101,0 %
identification..... passes test

refractive index $n_{30/D}$ 1,473 - 1,476
triethanolamine..... max. 1,0 %
water (K.F.)..... max. 0,15 %

Physical data

- Density: 1,09 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 28 °C
- Boiling point: 269 - 271 °C
- Flash point: 177 °C
- Ignition temperature: 370 °C
- Vapour pressure: (20 °C) < 0,01 hPa
- Viscosity: (30 °C) 352 mPas
- Expl. limit (upper): 6,4 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(10 g/l H₂O, 20 °C) ~ 11
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.
H373: May cause damage to organs through prolonged or repeated exposure.
H302: Harmful if swallowed.
H315: Causes skin irritation.



Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
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.
P321: Specific treatment (see on this label).
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C