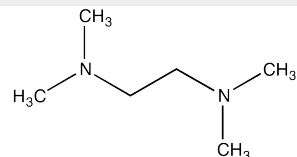


Identification

$C_6H_{16}N_2$
M = 116,21 g/mol
CAS [110-18-9]
EC number: 203-744-6
Taric code: 2921 29 00



Synonyms

N,N,N',N'-Tetramethylethylenediamine, 1,2-Bis(dimethylamino)ethane, TMEDA

Applications

analytical chemistry, synthesis of polymers.

Specifications

assay (G.C.).....min. 99 %
identity (IR-spectrum).....passes test

iron (Fe).....max. 0,1 ppm
residue on ignition.....max. 0,005 %
water (K.F.).....max. 0,5 %

Physical data

- Density: 0,78 g/cm³
- Solub. in water: (20 °C): freely miscible
- Melting point: -55 °C
- Boiling point: 121 °C
- Flash point: 17 °C
- Refraction index: (n 20 °C/D) 1,4179
- pH(0,1 g/l H₂O, 20 °C) 8,0 - 8,5

Safety - GHS

Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.
H332: Harmful if inhaled.



Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
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.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 F1 II • UN 2372 • 1,2-DI-(DIMETHYLAMINO) ETHANE
- IMDG: 3 II • UN 2372 • 1,2-DI-(DIMETHYLAMINO) ETHANE
- IATA/ICAO: 3 II • UN 2372 • 1,2-DI-(DIMETHYLAMINO) ETHANE
- PAX: 305
- CAO: 307
- 10°C - 30°C