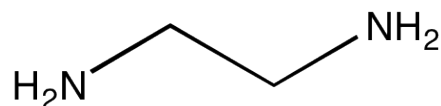


Identification

C₂H₈N₂
M = 60,10 g/mol
CAS [107-15-3]
EC number: 203-468-6
Taric code: 2921 21 00



Synonyms

1,2-Ethanediamine, 1,2-Diaminoethane

Applications

solvents, emulsifier, in antifreeze compositions, in lubricant compositions.

Specifications

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

density (20°/4°)..... 0,896 - 0,898
residue on evaporation..... max. 0,3 %
water (K.F.)..... max. 0,5 %

Physical data

- Density: 0,90 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 11 °C
- Boiling point: 116 - 118 °C
- Flash point: 36 °C
- Ignition temperature: ~ 400 °C
- Vapour pressure: (20 °C) 12 hPa
- Refraction index: (n 20 °C/D) 1,4540
- Viscosity: (25 °C) 1,54 mPas
- Dielectric const.: (18 °C) 16
- Evap. heat: (116 °C) 700 KJ/kg
- Saturation conc.: (20 °C) 29 g/m³
- Expl. limit (upper): 16,3 Vol%
- Expl. limit (lower): 2,5 Vol%
- pH(250 g/l H₂O, 25 °C) ~ 12
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H314: Causes severe skin burns and eye damage.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H317: May cause an allergic skin reaction.



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.
P320: Specific treatment is urgent (see on this label).
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: 8 CF1 II • UN 1604 • ETHYLENEDIAMINE
- IMDG: 8 II • UN 1604 • ETHYLENEDIAMINE
- IATA/ICAO: 8 II • UN 1604 • ETHYLENEDIAMINE
- PAX: 808
- CAO: 812
- 10°C - 30°C