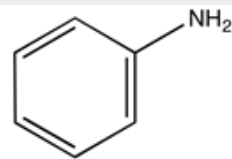


Identification

C₆H₇N
M = 93,13 g/mol
CAS [62-53-3]
EC number: 200-539-3
Taric code: 2921 41 00

**Synonyms**

Phenylamine, Aminobenzene

Applications

manufacture of dyes, for pharmaceuticals synthesizing, in the rubber industry, manufacturing of synthetic resins, analytical chemistry, solvents.

Specifications

assay (G.C.).....	min. 99,0 %	chlorobenzene (G.C.).....	max. 0,01 %
identity (IR-spectrum).....	passes test	nitrobenzene (G.C.).....	max. 0,003 %
density (20°/4°).....	1,020 - 1,022	hydrocarbons.....	passes test
colour (Hazen).....	max. 250	residue on ignition.....	max. 0,005 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 1,03 g/cm³
- Solub. in water: (20 °C): 36 g/l
- Melting point: -6,2 °C
- Boiling point: (20 hPa) 77 °C
- Flash point: 76 °C
- Ignition temperature: 540 °C
- Vapour pressure: (20 °C) 0.5 hPa
- Refraction index: (n 20 °C/D) 1,5863
- Viscosity: (20 °C) 4,4 mPas
- Dipolar moment: (20 °C) 1,55 Debye
- Dielectric const.: (20 °C) 6,8
- Saturation conc.: (20 °C) 2,0 g/m³
- Expl. limit (upper): 11 Vol%
- Expl. limit (lower): 1,2 Vol%
- pH(36 g/l H₂O, 20 °C) ~ 8,8

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H372: Causes damage to organs through prolonged or repeated exposure.
H341: Suspected of causing genetic defects.
H351: Suspected of causing cancer.
H318: Causes serious eye damage.
H400: Very toxic to aquatic life.
H317: May cause an allergic skin reaction.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T1 II • UN 1547 • ANILINE
- IMDG: 6.1 II • UN 1547 • ANILINE
- IATA/ICAO: 6.1 II • UN 1547 • ANILINE
- PAX: 609
- CAO: 611
- 10°C - 30°C