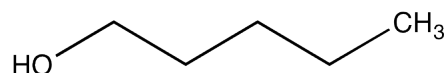


Identification

C₅H₁₂O
M = 88,15 g/mol
CAS [71-41-0]
EC number: 200-752-1
Taric code: 2905 19 00



Synonyms

1-Pentanol, 1-Pentyl alcohol, n-Butyl carbinol

Applications

analytical chemistry, laboratory reagent, synthesis of organic products, solvents.

Specifications

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

density (20°/4°).....0,814 - 0,816
residue on evaporation.....max. 0,005 %
water (K.F.).....max. 0,3 %

Physical data

- Density: 0,81 g/cm³
- Solub. in water: (20 °C): 27 g/l
- Melting point: -79 °C
- Boiling point: 138 °C
- Flash point: 33 °C
- Ignition temperature: 300 °C
- Vapour pressure: (20 °C) 3 hPa
- Refraction index: (n 20 °C/D) 1, 4100
- Viscosity: (20 °C) 3,68 mPas
- Dielectric const.: (25 °C) 13,9
- Evap. heat: (138 °C) 427 KJ/kg
- Saturation conc.: (20 °C) 11 g/m³
- Expl. limit (upper): 10,5 Vol %
- Expl. limit (lower): 1,3 Vol %
- pH(25 g/l H₂O, 20 °C) 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H335: May cause respiratory irritation.



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 III • UN 1105 • PENTANOLS
- IMDG: 3 III • UN 1105 • PENTANOLS
- IATA/ICAO: 3 III • UN 1105 • PENTANOLS
- PAX: 309
- CAO: 310
- 10°C - 30°C