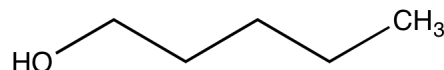


n-Amyl alcohol, standard substance for GC

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

Specifications

assay 99,8%
over ramp..... 60°C, 6°C/min
 160°C, 20°C/min
 220°C
identity..... IR

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: Warning

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.
P241: Use explosion-proof electrical / ventilating / lighting / equipment.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 3670 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

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
- Store between 15°C and 25°C