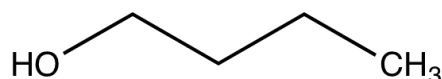


Identification

C₄H₁₀O
M = 74,12 g/mol
CAS [71-36-3]
EC number: 200-751-6
Taric code: 2905 13 00


Synonyms

n-Butyl alcohol, Propylcarbinol

Applications

solvents, synthesis of organic products, microscopy.

Specifications

assay (G.C.).....	min. 99,8 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,809 - 0,810	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	210 nm.....	20 % 0,699 AU
alkalinity.....	max. 0,0002 meq/g	220 nm.....	50 % 0,301 AU
residue on evaporation.....	max. 0,0002 %	245 nm.....	90 % 0,046 AU
water (K.F.).....	max. 0,1 %		

Microfiltered through membranes
of pore diameter 0,22 µm

Physical data

- Density: 0,81 g/cm³
- Solub. in water: (20 °C): 79 g/l
- Melting point: -89,5 °C
- Boiling point: 118 °C
- Flash point: 34 °C
- Ignition temperature: 340 °C
- Vapour pressure: (20 °C) 6,7 hPa
- Refraction index: (n 20 °C/D) 1,3993
- Viscosity: (20 °C) 2,95 mPas
- Dipolar moment: (20 °C) 1,66 Debye
- Dielectric const.: (20 °C) 17,8
- Saturation conc.: (20 °C) 20 g/m³
- Expl. limit (upper): 11,3 Vol%
- Expl. limit (lower): 1,4 Vol%
- pH(70 g/l H₂O, 20 °C) 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H315: Causes skin irritation.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P241: Use explosion-proof electrical / ventilating / lighting / equipment.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.
P303: IF ON SKIN (or hair):
P361: Remove / Take off immediately all contaminated clothing.
P352: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 790 mg/kg
- MAK: 100 ml/m³, 310 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 3 F1 III • UN 1120 • BUTANOLS
- IMDG: 3 III • UN 1120 • BUTANOLS
- IATA/ICAO: 3 III • UN 1120 • BUTANOLS
- PAX: 309
- CAO: 310