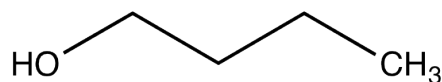


**Identification**

$C_4H_{10}O$   
 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

**Packaging**
**Packaging Code**

1 l  AL01751000  
 2,5 l  AL01752500

**Physical data**

- Density: 0,81 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- Expl. limit (upper): 11,3 Vol%
- Expl. limit (lower): 1,4 Vol%
- pH(70 g/l H<sub>2</sub>O, 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.  
 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.  
 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/m<sup>3</sup>, 310 mg/m<sup>3</sup>
- 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