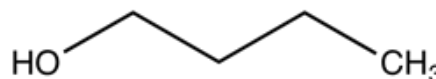


**Identification**

C<sub>4</sub>H<sub>10</sub>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. 99,5 %	2-butanol (G.C.).....	max. 0,1 %
identity (IR-spectrum).....	passes test	isobutyl alcohol.....	max. 0,1 %
acidity.....	passes test	butyl ether .....	max. 0,2 %
n-butyraldehyde (G.C.).....	max. 0,1 %	residue on evaporation.....	max. 0,004 %
		water (K.F.).....	max. 0,1 %

**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.  
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 1120 • BUTANOLS
- IMDG: 3 III • UN 1120 • BUTANOLS
- IATA/ICAO: 3 III • UN 1120 • BUTANOLS
- PAX: 309
- CAO: 310
- 10°C - 30°C