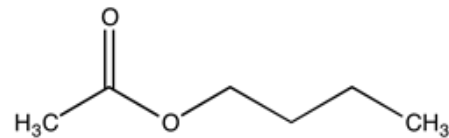


**Identification**

$C_6H_{12}O_2$   
 M = 116,16 g/mol  
 CAS [123-86-4]  
 EC number: 204-658-1  
 Taric code: 2915 33 00


**Synonyms**

Acetic acid n-butyl ester

**Applications**

analytical chemistry, laboratory reagent, manufacturing of lacquers, in the textile industry, photography, plasticizer, manufacture of glass.

**Specifications**

assay (G.C.).....	min. 99,5 %	iron (Fe).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,1 ppm
density (20°/4°).....	0,879 - 0,881	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
acidity.....	max. 0,0016 meq/g	nickel (Ni).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	tin (Sn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zinc (Zn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	n-butanol (G.C.).....	max. 0,2 %
cadmium (Cd).....	max. 0,05 ppm	n-butyl formate (G.C.).....	max. 0,1 %
calcium (Ca).....	max. 0,5 ppm	n-butyl propionate (G.C.).....	max. 0,1 %
chromium (Cr).....	max. 0,02 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
cobalt (Co).....	max. 0,02 ppm	residue on evaporation.....	max. 0,001 %
copper (Cu).....	max. 0,02 ppm	water (K.F.).....	max. 0,1 %

**Physical data**

- Density: 0,88 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 7 g/l
- Melting point: -77 °C
- Boiling point: 127 °C
- Flash point: 27 °C
- Ignition temperature: 370 °C
- Vapour pressure: (20 °C) ~ 13 hPa
- Refraction index: (n 20 °C/D) 1,3941
- Viscosity: (25 °C) 0,69 mPas
- Dipolar moment: (22 °C) 1,84 Debye
- Dielectric const.: (20 °C) 5,0
- Evap. heat: (126 °C) 309 KJ/kg
- Saturation conc.: (20 °C) 62 g/m<sup>3</sup>
- Expl. limit (upper): 7,5 Vol%
- Expl. limit (lower): 1,2 Vol%

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

- H226: Flammable liquid and vapour.  
 H336: May cause drowsiness or dizziness.  
 EUH066: Repeated exposure may cause skin dryness or cracking.


**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.  
 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 1123 • BUTYL ACETATES
- IMDG: 3 III • UN 1123 • BUTYL ACETATES
- IATA/ICAO: 3 III • UN 1123 • BUTYL ACETATES
- PAX: 309
- CAO: 310
- 10°C - 30°C