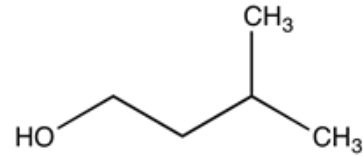


## Isoamyl alcohol, mixture of isomers, EssentQ®

**Identification**

C<sub>5</sub>H<sub>12</sub>O  
M = 88,15 g/mol  
CAS [123-51-3]  
EC number: 204-633-5  
Taric code: 2905 19 00

**Synonyms**

3-Methyl-1-butanol, Isopentyl alcohol

**Applications**

analytical chemistry, solvents, synthesis of organic products, for determination of: fats in milk.

**Specifications**

total isomer content (G.C.) ..... min. 99 %

suitability for det. of fat in milk..... passes test  
water (K.F.)..... max. 0,3 %

**Physical data**

- Density: 0,81 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 25 g/l
- Melting point: -117 °C
- Boiling point: 131°C
- Flash point: 43 °C
- Ignition temperature: 340 °C
- Vapour pressure: (20 °C) 3,1 hPa
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (20 °C) 14,7
- Evap. heat: (132 °C) 441 KJ/kg
- Saturation conc.: (20 °C) 11 g/m<sup>3</sup>
- Expl. limit (upper): 8 Vol%
- Expl. limit (lower): 1,2 Vol%
- pH(25 g/l H<sub>2</sub>O, 20 °C) ~ 7

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H226: Flammable liquid and vapour.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H332: Harmful if inhaled.  
H335: May cause respiratory 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 1105 • PENTANOLS
- IMDG: 3 III • UN 1105 • PENTANOLS
- IATA/ICAO: 3 III • UN 1105 • PENTANOLS
- PAX: 309
- CAO: 310
- 10°C - 30°C