

**Potassium hydroxide, ethanolic solution 0,1 mol/l****Identification**

KOH  
M = 56,11 g/mol  
CAS [1310-58-3]  
EC number: 215-181-3  
Taric code: 3822 00 00

**Applications**

analytical chemistry, titrant in volumetric analysis.

**Specifications**

factor..... 0,999 - 1,001  
uncertainty  $\pm$  0,001

1 ml = 0,005611 g KOH

This solution was analysed using a certified reference material (potassium hydrogen phthalate).  
The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST: SRM® 84 (Potassium Hydrogen Phthalate).

**Physical data**

- Density: 0,80 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Flash point: 11 °C
- Ignition temperature: 425 °C
- Expl. limit (upper): 15 Vol%
- Expl. limit (lower): 3,5 Vol%
- pH(20 °C) ~ 14

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye 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.  
P370+P378: In case of fire: Use ... for extinction.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 FC II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, ethanolic solution 0,1 mol/l)
- IMDG: 3 II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, ethanolic solution 0,1 mol/l)
- IATA/ICAO: 3 II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, ethanolic solution 0,1 mol/l)
- PAX: 305
- CAO: 307
- 15°C - 25°C