

**Potassium hydroxide, solution 0,1 mol/l (0,1 N) in 2-propanol****Identification**

KOH  
M = 56,11 g/mol  
CAS [1310-58-3]  
EC number: 215-181-3  
Taric code: 3814 00 90

**Applications**

analytical chemistry, laboratory reagent, titrant in volumetric analysis.

**Specifications**

factor..... 0,999 - 1,001  
uncertainty ± 0,001

1 ml = 0,005611 g KOH

This volumetric solution was checked by means of potentiometric methods using Scharlau's potassium hydrogen phthalate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

**Packaging****Packaging Code**

1 | 0 PO02891000

**Physical data**

- Density: 0,79 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Flash point: 12 °C
- Ignition temperature: ~ 425 °C
- Expl. limit (upper): 12 Vol %
- Expl. limit (lower): 2 Vol %
- pH(20 °C) ~ 13

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

**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): 5045 mg/kg (2-propanol)
- MAK: 200 ml/m<sup>3</sup>, 500 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 FC II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, solution 0,1 mol/l in 2-propanol)
- IMDG: 3 II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, solution 0,1 mol/l in 2-propanol)
- IATA/ICAO: 3 II • UN 2924 • FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Potassium hydroxide, solution 0,1 mol/l in 2-propanol)
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C