

**Potassium hydroxide, solution 0,5 mol/l (0,5 N)****Identification**

KOH  
M = 56,11 g/mol  
CAS [1310-58-3]  
EC number: 215-181-3  
Taric code: 2815 20 90

**Applications**

analytical chemistry, laboratory reagent, titrant in volumetric analysis.




**Specifications**

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

1 ml = 0,02806 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 l  PO02811000  
5 l  PO0281005P  
10 l  PO0281010C

**Physical data**

- Density: 1,02 g/cm<sup>3</sup>
- pH(20 °C) > 13,5

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

H314: Causes severe skin burns and eye damage.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
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.  
P321: Specific treatment (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 273 mg/kg (pure substance)
- WGK: 0
- Poison class CH (Swiss): 3

**Transport/storage**

- ADR: 8 C5 II • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IMDG: 8 II • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IATA/ICAO: 8 II • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- PAX: 809
- CAO: 813
- Store between 15°C and 25°C