

**Potassium hydroxide, solution 0,1 mol/l (0,1 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, titrant in volumetric analysis.




**Specifications**

factor..... 0,999 - 1,001  
uncertainty  $\pm$  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 l  PO02821000  
5 l  PO0282005P  
10 l  PO0282010C

**Physical data**

- Density: 1,01 g/cm<sup>3</sup>
- Boiling point: ~ 100 °C
- pH(20 °C) ~ 13

**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.  
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).  
P362: Take off contaminated clothing and wash before reuse.  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P337+P313: If eye irritation persists: Get medical advice / attention.

**Toxicological data**

- LD 50 (oral, rat): 273 mg/kg (pure substance)
- WGK: 0
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 8 C5 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IMDG: 8 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IATA/ICAO: 8 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- PAX: 819
- CAO: 821
- Store between 15°C and 25°C