

Potassium hydroxide, solution 1 mol/l (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, laboratory reagent, titrant in volumetric analysis.

Specifications

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

1 ml = 0,05611 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: 1,05 g/cm³
- pH(20 °C) ~ 14

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: 1
- Poison class CH (Swiss): 2

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