PO0289

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 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: 0,79 g/cm3
- Solub. in water: (20 ºC): miscible
- Flash point: 12 ºC
- Ignition temperature: ~ 425 ºC
- Expl. limit (upper): 12 Vol %
- Expl. limit (lower): 2 Vol %
- pH(20 ºC) ~ 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.
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.
P405: Store locked up.
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, 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
- 10°C - 30°C