

Potassium hydroxide, solution 40% w/v, EssentQ®**Identification**

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

Synonyms

Caustic potash, Potassium hydrate, Potassium oxide hydrate

Applications

laboratory reagent, synthesis of organic products, perfumery.

Specifications

assay (acidimetric).....	min. 40 %	sulfates (SO ₄).....	max. 0,003 %
carbonates (as Na ₂ CO ₃).....	max. 1 %	total nitrogen (as N).....	max. 0,005 %
chlorides (Cl).....	max. 0,002 %	aluminium (Al).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,002 %	heavy metals (as Pb).....	max. 0,001 %
silicates (SiO ₂).....	max. 0,005 %	iron (Fe).....	max. 0,001 %

Physical data

- Density: 1,29 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) ~14

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.

**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.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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
- 15°C - 25°C