

Sodium hydroxide, solution 50% w/v, EssentQ®

Identification

NaOH
M = 40,00 g/mol
CAS [1310-73-2]
EC number: 215-185-5
Taric code: 2815 12 00

Applications

analytical chemistry, laboratory reagent, solvents, for pharmaceuticals synthesizing, for the synthesis of: inorganic salts.

Specifications

assay (acidimetric).....	approx. 50 %	arsenic (As).....	max. 0,4 ppm
carbonates (as Na ₂ CO ₃).....	max. 1 %	calcium (Ca).....	max. 0,005 %
chlorides (Cl).....	max. 0,002 %	copper (Cu).....	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 %
sulfates (SO ₄).....	max. 0,003 %	lead (Pb).....	max. 0,001 %
total nitrogen (as N).....	max. 0,002 %	magnesium (Mg).....	max. 0,005 %
aluminium (Al).....	max. 0,001 %	nickel (Ni).....	max. 0,001 %

Physical data

- Density: ~ 1,4 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 12 °C
- Boiling point: 143 °C
- Vapour pressure: (20 °C) 2 hPa
- 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.
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 1824 • SODIUM HYDROXIDE SOLUTION
- IMDG: 8 II • UN 1824 • SODIUM HYDROXIDE SOLUTION
- IATA/ICAO: 8 II • UN 1824 • SODIUM HYDROXIDE SOLUTION
- PAX: 809
- CAO: 813
- 10°C - 30°C