

**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 <sub>2</sub> CO <sub>3</sub> ).....	max. 1 %	calcium (Ca).....	max. 0,005 %
chlorides (Cl).....	max. 0,002 %	copper (Cu).....	max. 0,001 %
phosphates (as PO <sub>4</sub> ).....	max. 0,002 %	heavy metals (as Pb).....	max. 0,001 %
silicates (SiO <sub>2</sub> ).....	max. 0,005 %	iron (Fe).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	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/cm<sup>3</sup>
- 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.  
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**

- WGK: 1

**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
- Store between 15°C and 25°C