

# Sodium hydroxide, solution 0,2 mol/l (0,2 N)

## 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, titrant in volumetric analysis, for acid solutions standardization.

## Specifications

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

1 ml = 0,008002 g NaOH

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: 1,01 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- pH(20 °C) ~ 13

## Safety - GHS

Signal Word: Warning

### Hazard Statements:

H315: Causes skin irritation.  
H319: Causes serious eye irritation.



### Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P264: Wash thoroughly after handling.  
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).  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P337+P313: If eye irritation persists: Get medical advice / attention.

## Transport/storage

- ADR: 8 C5 III • UN 1824 • SODIUM HYDROXIDE SOLUTION
- IMDG: 8 III • UN 1824 • SODIUM HYDROXIDE SOLUTION
- IATA/ICAO: 8 III • UN 1824 • SODIUM HYDROXIDE SOLUTION
- PAX: 819
- CAO: 821
- 15°C - 25°C