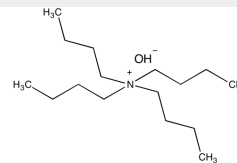


**Tetrabutylammonium hydroxide, solution 0,1 mol/l, in 2-propanol/methanol**
**Identification**

C<sub>16</sub>H<sub>37</sub>NO  
 M = 259,48 g/mol  
 CAS [2052-49-5]  
 EC number: 218-147-6  
 Taric code: 3822 00 00


**Applications**

analytical chemistry, titrant in volumetric analysis, for non-aqueous titrations.

**Specifications**

factor..... 0,999 - 1,001  
 uncertainty ± 0,001

sulfates (SO<sub>4</sub>)..... max. 0,05 %  
 halides (as bromide)..... max. 0,05 %

2-propanol:methanol 10:1 (v/v)

This volumetric solution was checked  
 by means of potentiometric methods  
 using Scharlau's benzoic acid volumetric  
 standard.

Scharlau's volumetric standards are  
 directly traceable to the Standard  
 Reference Materials from NIST (National  
 Institute of Standards and Technology,  
 USA).

**Physical data**

- Density: 0,79 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Flash point: 12 °C
- pH(H<sub>2</sub>O, 20 °C) ~ 14

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
 H314: Causes severe skin burns and eye damage.  
 H371: May cause damage to organs.  
 H336: May cause drowsiness or dizziness.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 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.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- MAK: 200 ml/m<sup>3</sup>, 270 mg/m<sup>3</sup>
- WGK: 1

**Transport/storage**

- ADR: 3 FTC II • UN 3286 • FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (Tetrabutylammonium hydroxide, solution 0,1 mol/l, in 2-propanol/methanol)
- IMDG: 3 II • UN 3286 • FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (Tetrabutylammonium hydroxide, solution 0,1 mol/l, in 2-propanol/methanol)
- IATA/ICAO: 3 II • UN 3286 • FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (Tetrabutylammonium hydroxide, solution 0,1 mol/l, in 2-propanol/methanol)
- PAX: 352
- CAO: 363