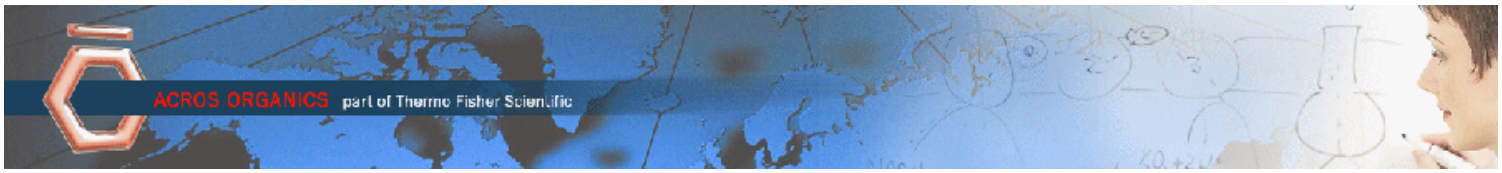

Tetrabutylammonium hydroxide, 40 wt.% (1.5M) solution in water

General	
Product Name	Tetrabutylammonium hydroxide
CAS RN	2052-49-5
ACD Code	MFCD00009425
Structure	
Molecular Formula	C16 H37 N O
Molecular weight	259.48
Pack size	{Error}

Physical	
Density (g/cm³)	0.995
Boiling Point (°C)	>100

Safety	
GHS Pictogram	
GHS Signal Word	Danger
GHS H statement	H314: Causes severe skin burns and eye damage
GHS P statement	P280: Wear protective gloves/protective clothing/eye protection/face protection P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting P301: IF SWALLOWED P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Hazard	C: Corrosive
Risk	35: Causes severe burns.
Safety	26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 36/37/39: Wear suitable protective clothing, gloves and eye/face protection. 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Categories

Preparation, Purification and Analysis > Routine Reagents
Functional Reagents > Organic Bases

Applications

Function	Transformation Type	Caveat	Reference
Reagent	Organic Base	Alkylation and condensation reactions.	SC 1983, 13, 927

Other

Parameter	
EINECS	218-147-6
Solubility	Solubility in water: soluble
Origin	synthetic
References:	Basic nonaqueous titrant. Anal. Chem., 34, 584 (1962). Reagent for ion-pair extractions. Anions from weak acidscan be extracted with CHCl3 or CH2Cl2. Acta Chem. Scand., 23, 2202, 2203, 2204 (1969).
Literature Reference:	04,II,634
Beilstein Reference:	05,645; 11,500
Fieser	
3D model	Show