



>>Entry Name: Sodium butoxide

Synonym(s): 1-Butanol sodium salt. Butoxysodium

CAS Registry Number: 2372-45-4

$\text{NaOCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

Molecular Formula: $\text{C}_4\text{H}_9\text{NaO}$

Molecular Weight: 96.104

Accurate Mass: 96.055107

Percentage Composition: C 49.99%; H 9.44%; Na 23.92%; O 16.65%

Source/Synthesis: Synth. from NaOH and BuOH in high boiling point org. solv., or from NaOMe in 2-methoxyethanol

Use/Importance: Used as a catalyst in many reactions, e.g. CO reaction with MeOH, polym. of methyl methacrylate

Melting Point: Mp -21°

Hazard & Toxicity: Fl. p. 43°

Other: Gelest AKS728

References:

U.S.S.R. Pat., 1967, 198 316; *CA*, **68**, 104554d, (*synth*)

East Ger. Pat., 1973, 100 701; *CA*, **80**, 59438, (*synth*)

Slonim, I.Ya. *et al.*, *Zh. Fiz. Khim.*, 1974, **48**, 842, (*pmr*)

Japan. Pat., 1994, 06 116 266; *CA*, **121**, 133865, (*synth*)