



>>Entry Name: Sodium propoxide

Synonym(s): 1-Propanol sodium salt. Propoxysodium

CAS Registry Number: 6819-41-6

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

Molecular Formula: $\text{C}_3\text{H}_7\text{NaO}$

Molecular Weight: 82.077

Accurate Mass: 82.039457

Percentage Composition: C 43.90%; H 8.60%; Na 28.01%; O 19.49%

Source/Synthesis: Synth. by addn. of PrOH to molten Na at 130° under N_2

Use/Importance: Used as a catalyst for dimerisation of butadiene

Other Data: $\text{Ir } \nu_{\text{RONa}}$ 2958, 2804, 2704, 2591 cm^{-1} (nujol)

Hazard & Toxicity: Fl. p. 23°

Other: Gelest AKS780

References:

U.K. Pat., 1949, 629 184; *CA*, **44**, 8941e, (*synth*)

Kazi, A.L., *J. Indian Chem. Soc.*, 1955, **32**, 279, (*use*)

Seubold, F.H., *J.O.C.*, 1956, **21**, 156, (*ir*)