

JOURNAL OF THE CHEMICAL SOCIETY

Chemical Communications

Number 7
1983

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1,3-Dimethyltetrahydro-2(1H)-pyrimidinone, "N,N'-Dimethylpropyleneurea", DMPU, was shown by D. Seebach and coworkers to be a superb replacement for the carcinogenic HMPA in many reactions⁶¹.

N,N,N',N'-Tetraethylsulfamide, TES, is a new non-ether-type solvent for Grignard reagents⁷¹.

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