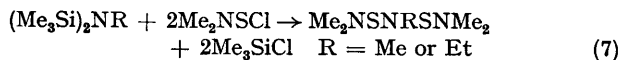
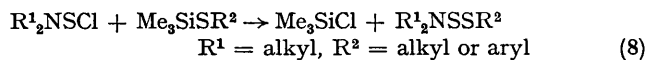


Aminosulphenyl chlorides react with disilazanes and cleavage of both Si-N bonds yields triazadithianes containing the N-S-N-S-N skeleton [reaction (7)]. These are lemon-yellow distillable liquids which appear to dissociate on heating into the diamino-sulphide.



S-Amino-S'-alkyl and S-amino-S'-aryl disulphides are conveniently synthesised from thiosilanes and the aminosulphenyl chloride (reaction (8)). These readily distillable



liquids appear more stable than perhaps would be expected for while amino-disulphides and organic polysulphides readily lose sulphur in the presence of base,³ and while sulphenamides can be readily transaminated,⁴ S-dimethyl-amino S'-phenyl disulphide can be recovered in high yield after heating under reflux with diethylamine for 36 h.

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² Houben-Weyl, 'Methoden der Organischen Chemie, XI/2, Stickstoff Verbindungen III', Georg Thieme Verlag, 1958, pp. 745 and 746.

³ E. E. Reid, 'Organic Chemistry of Bivalent Sulphur', Chemical Publishing Co., New York, 1960, vol. 3, 391.

⁴ D. A. Armitage, M. J. Clark, and A. M. White, *J. Chem. Soc. (C)*, 1971, 3141.