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## REACTIONS OF PERFLUOROALKANESULFONYL BROMIDE

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Perfluoroalkanesulfonyl bromides were readily prepared from the reaction of the corresponding sodium sulfinates with bromine in aqueous solution in excellent yield. Several reactions of these bromides were reported: 1, Spontaneous addition to olefins with the loss of SO<sub>2</sub> to give the corresponding adducts in good yield. 2, Facile bromination of compounds containing active hydrogen. 3, Bromophilic type of reaction with alkali, amines and alcohols. The mechanism of these reactions is discussed.