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## POLYFLUOROALKYLKETONES – REACTIONS WITH NUCLEOPHILIC REAGENTS

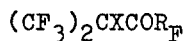
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Perfluoro- and  $\alpha$ -substituted polyfluoroketones (I, II) are synthesized.



(I)



(II)

 $R_F$  = fluoroalkyl;

X = F, Cl, Br, H;

R = fluoroalkyl,  $\text{CF}_2\text{Cl}$ , $R_F$  = fluoroalkyl, $\text{CFCl}_2$ ,  $\text{CCl}_3$  $\text{FOC}(\text{CF}_2)_n$ , $(\text{CF}_3)_2\text{CFCO}(\text{CF}_2)_n$ 

(n = 2, 4, 5)

Some essential features in the chemical behaviour of  $\alpha$ -substituted polyfluoroketones by comparison with their perfluorinated analogues have been revealed.

Correlation of fluoroketone's (I, II) structure and reactivity towards nucleophilic reagents (NaOH,  $\text{NH}_3$ , alkali metal fluorides, complex metal hydrides) is discussed.