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 $(\text{CF}_3)_2\text{Cd}$ AND $(\text{CF}_3)_2\text{Zn}$: SPECTRAL PROPERTIES AND CHEMICAL BEHAVIOUR

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Perfluoroalkyl compounds of Zn and Cd are predestinated for nucleophilic perfluoroalkylation reactions.

Some similarities and differences in the chemical behaviour of $(\text{CF}_3)_2\text{M}$ compounds and their higher homologues are outlined.

Furthermore, vibrational and n.m.r.-spectroscopical properties of $(\text{CF}_3)_2\text{M}\cdot\text{D}$ (D = Lewis-base) will be discussed. An attempt is made to correlate spectroscopical properties and capability for nucleophilic CF_3 -transfer of $(\text{CF}_3)_2\text{M}$ -complexes.