

PL-10

FLUORCARBON-SELENIUM CHEMISTRY: ACCOMPLISHMENTS AND QUESTS

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The binary selenium fluorides SeF_n ($n = 2, 4, 6$) and Se_2F_2 are considered along with corresponding perfluorohalogeno-organoselenium compounds with selenium in the oxydation states 1, 2, 4 and 6. For lower selenium fluorides, preparation and characterisation are emphasized. Recent results in the chemistry of SeCF_2 , CF_3SeCl , $\text{CF}_3\text{SeSeCF}_3$, $\text{CF}_3\text{Se(O)OM}$ and $\text{CF}_3\text{Se}^{\text{VI}}$ -compounds are presented. A comparison with the corresponding sulfur chemistry is also provided.