

SOME REACTIONS WITH KRYPTON DIFLUORIDE AND XENON FLUORIDES

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The $\text{VF}_5\text{-XeF}_x$ (x being 2, 4 and 6) system was systematically investigated. Besides $\text{XeF}_2 \cdot \text{VF}_5$ (1) and $2\text{XeF}_6 \cdot \text{VF}_5$ (2), new adducts $\text{XeF}_6 \cdot \text{VF}_5$ and $\text{XeF}_6 \cdot 2\text{VF}_5$ were also isolated. The obtained adducts were characterized by following mass balance throughout the experiment, by Raman and IR spectroscopy, by recording the melting point - composition diagram, etc.

The results of reactions in a system with some binary fluorides (e.g. TiF_4 , MnF_2 , CrF_3) and KrF_2 are also discussed.

- (1) B. Žemva and J. Slivnik, *J. Inorg. Nucl. Chem.*, 32, 3952 (1971)
- (2) G.J. Moody and H. Selig, *J. Inorg. Nucl. Chem.*, 28, 2429 (1966)