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Table 4. Suggested solubility classification for some common uranium compounds.*

Compound	Solubility Class
UF_6 (uranium hexafluoride)	D
$UO_2(NO_3)_2$ (uranyl nitrate)	D
$UO_2(CH_2H_2O_2)$ (uranyl acetate)	D
UO_3 (uranium trioxide)	D
UO_2Cl_2 (uranyl chloride)	D
UO_2SO_4 (uranyl sulfate)	D
$(NH_4)_2U_2O_7$ (ammonium diuranate)	D, W
UO_2F_2 (uranyl fluoride)	D
UO_4 (uranium peroxide)	W
UCl_4 (uranium tetrachloride)	W
UF_4 (uranium tetrafluoride)	W, Y
UO_2 (uranium dioxide)	W, Y
U_3O_8 (uranium octoxide)	Y
UC_2 (uranium dicarbide)	Y
UO_2 (high-fired uranium dioxide)	Y

* Most uranium compounds are actually mixtures of different chemical forms. This can result in a compound having fractional characteristics of D, W, or Y at the same time.