

9-6. Solubility Products of Sparingly Soluble Salts (at zero ionic strength)

Material	Chemical Formula	Temp' (°C)	Solubility Product
Aluminum Hydroxide	Al(OH) ₃	20	1.9×10^{-33}
Barium Carbonate	BaCO ₃	16	7×10^{-9}
Barium Sulfate	BaSO ₄	25	1.08×10^{-10}
Calcium Carbonate	CaCO ₃	25	8.7×10^{-9}
Calcium Fluoride	CaF ₂	26	3.95×10^{-11}
Calcium Sulfate	CaSO ₄	10	6.1×10^{-5}
Cupric Sulfide	CuS	18	8.5×10^{-45}
Ferric Hydroxide	Fe(OH) ₃	18	1.1×10^{-36}
Ferrous Hydroxide	Fe(OH) ₂	18	1.64×10^{-14}
Lead Carbonate	PbCO ₃	18	3.3×10^{-14}
Lead Fluoride	PbF ₂	18	3.2×10^{-5}
Lead Sulfate	PbSO ₄	18	1.06×10^{-8}
Magnesium Ammonium Phosphate	MgNH ₄ PO ₄	25	2.5×10^{-13}
Magnesium Carbonate	MgCO ₃	12	2.6×10^{-5}
Magnesium Hydroxide	Mg(OH) ₂	18	1.2×10^{-11}
Manganese Hydroxide	Mn(OH) ₂	18	4×10^{-14}
Nickel Sulfide	NiS	18	1.4×10^{-24}
Strontium Carbonate	SrCO ₃	25	1.6×10^{-9}
Strontium Sulfate	SrSO ₄	17.4	2.81×10^{-7}
Zinc Hydroxide	Zn(OH) ₂	20	1.8×10^{-14}