

E. 3 SOLUBILITY-PRODUCT CONSTANTS FOR COMPOUNDS AT 25°C

Name	Formula	K_{sp}
Barium carbonate	BaCO ₃	5.1 x 10 ⁻⁹
Barium chromate	BaCrO ₄	1.2 x 10 ⁻¹⁰
Barium Fluoride	BaF ₂	1.0 x 10 ⁻⁶
Barium hydroxide	Ba(OH) ₂	5 x 10 ⁻³
Barium oxalate	BaC ₂ O ₄	1.6 x 10 ⁻⁷
Barium phosphate	Ba ₃ (PO ₄) ₂	3.4 x 10 ⁻²³
Barium sulfate	BaSO ₄	1.1 x 10 ⁻¹⁰
Cadmium carbonate	CdCO ₃	5.2 x 10 ⁻¹²
Cadmium hydroxide	Cd(OH) ₂	2.5 x 10 ⁻¹⁴
Cadmium sulfide	CdS	8.0 x 10 ⁻²⁷
Calcium carbonate	CaCO ₃	2.8 x 10 ⁻⁹
Calcium chromate	CaCrO ₄	7.1 x 10 ⁻⁴
Calcium hydroxide	Ca(OH) ₂	5.5 x 10 ⁻⁶
Calcium phosphate	Ca ₃ (PO ₄) ₂	2.0 x 10 ⁻²⁹
Calcium sulfate	CaSO ₄	9.1 x 10 ⁻⁶
Cerium(III) fluoride	CeF ₃	8 x 10 ⁻¹⁶
Chromium(III) fluoride	CrF ₃	6.6 x 10 ⁻¹¹
Chromium(III) hydroxide	Cr(OH) ₃	6.3 x 10 ⁻³¹
Cobalt(II) carbonate	CoCO ₃	1.4 x 10 ⁻¹³
Cobalt(II) hydroxide	Co(OH) ₂	1.6 x 10 ⁻¹⁵
Cobalt(III) hydroxide	Co(OH) ₃	1.6 x 10 ⁻⁴⁴
Copper(I) bromide	CuBr	5.3 x 10 ⁻⁹
Copper(I) chloride	CuCl	1.2 x 10 ⁻⁶
Copper(I) sulfide	Cu ₂ S	2.5 x 10 ⁻⁴⁸
Copper(II) carbonate	CuCO ₃	1.4 x 10 ⁻¹⁰
Copper(II) chromate	CuCrO ₄	3.6 x 10 ⁻⁶
Copper(II) hydroxide	Cu(OH) ₂	2.2 x 10 ⁻²⁰
Copper(II) phosphate	Cu ₃ (PO ₄) ₂	1.3 x 10 ⁻³⁷
Copper(II) sulfide	CuS	6.3 x 10 ⁻³⁶
Gold(III) chloride	AuCl ₃	3.2 x 10 ⁻²⁵
Iron(II) carbonate	FeCO ₃	3.2 x 10 ⁻¹¹
Iron(II) hydroxide	Fe(OH) ₂	8.0 x 10 ⁻¹⁶
Iron(II) sulfide	FeS	6.3 x 10 ⁻¹⁸
Iron(III) hydroxide	Fe(OH) ₃	4 x 10 ⁻³⁸
Lanthanum fluoride	LaF ₃	7 x 10 ⁻¹⁷
Lanthanum iodate	La(IO ₃) ₃	6.1 x 10 ⁻¹²
Lead carbonate	PbCO ₃	7.4 x 10 ⁻¹⁴
Lead chloride	PbCl ₂	1.6 x 10 ⁻⁵
Lead chromate	PbCrO ₄	2.8 x 10 ⁻¹³
Lead fluoride	PbF ₂	2.7 x 10 ⁻⁸
Lead hydroxide	Pb(OH) ₂	1.2 x 10 ⁻¹⁵
Lead iodide	PbI ₂	7.1 x 10 ⁻⁹
Lead sulfide	PbS	8.0 x 10 ⁻²⁸
Magnesium hydroxide	Mg(OH) ₂	1.8 x 10 ⁻¹¹
Magnesium oxalate	MgC ₂ O ₄	8.6 x 10 ⁻⁵
Manganese carbonate	MnCO ₃	1.8 x 10 ⁻¹¹
Mercury(I) sulfide	Hg ₂ S	1.0 x 10 ⁻⁴⁷
Mercury(II) sulfide	HgS	4.0 x 10 ⁻⁵³
Silver chloride	AgCl	1.8 x 10 ⁻¹⁰
Silver sulfide	Ag ₂ S	6.3 x 10 ⁻⁵⁰
Strontium fluoride	SrF ₂	2.5 x 10 ⁻⁹