

## In Organic Salts Solubility Table

### A

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Actinium (III) hydroxide	Ac(OH) <sub>3</sub>		0.0021				
Aluminium chloride	AlCl <sub>3</sub>	43.9	45.8	47.3	48.1	48.6	49.0
Aluminium fluoride	AlF <sub>3</sub>	0.56	0.67	0.91	1.1	1.32	1.72
Aluminium hydroxide	Al(OH) <sub>3</sub>		0.0001				
Aluminium nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	60	73.9	88.7	106	132	160
Aluminium perchlorate	Al(ClO <sub>4</sub> ) <sub>3</sub>	122	133				
Aluminium sulfate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	31.2	36.4	45.8	59.2	73	89.0
Ammonia (Unit:mL/mL)	NH <sub>3</sub>	1176	702	428	252	138	88
Ammonium acetate	NH <sub>4</sub> C <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	102	143	204	311	533	
Ammonium azide	NH <sub>4</sub> N <sub>3</sub>	16	25.3	37.1			
Ammonium benzoate	NH <sub>4</sub> C <sub>7</sub> H <sub>5</sub> O <sub>2</sub>		21.3				83
Ammonium bicarbonate	NH <sub>4</sub> HCO <sub>3</sub>	11.9	21.7	36.6	59.2	109	
Ammonium bromide	NH <sub>4</sub> Br	60.6	76.4	91.2	108	125	145
Ammonium carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub> .H <sub>2</sub> O	55.8	10		dec		
Ammonium chlorate	NH <sub>4</sub> ClO <sub>3</sub>		28.7				
Ammonium chloride	NH <sub>4</sub> Cl	29.4	37.2	45.8	55.3	65.6	77.3
Ammonium hexa chloro platinate	(NH <sub>4</sub> ) <sub>2</sub> PtCl <sub>6</sub>	0.289	0.499	0.815	1.44	2.16	3.36
Ammonium chromate	(NH <sub>4</sub> ) <sub>2</sub> CrO <sub>4</sub>	25	34	45.3	59.0	76.1	
Ammonium di chromate	(NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	18.2	35.6	58.5	86.0	115	156

Ammonium di hydrogen arsenate	$\text{NH}_4\text{H}_2\text{AsO}_4$	33.7	48.7	63.8	83	107	
Ammonium di hydrogen phosphate	$\text{NH}_4\text{H}_2\text{PO}_4$	22.7	37.4	56.7	82.5	118.3	173.2
Ammonium fluoride	$\text{NH}_4\text{F}$	100					
Ammonium fluorosilicate	$(\text{NH}_4)_2\text{SiF}_6$	12.28	18.6	31.6	40.4	75°C:48.1	61.0
Ammonium formate	$\text{NH}_4\text{HCO}_2$	102	143	204	311	533	
Ammonium hydrogen phosphate	$(\text{NH}_4)_2\text{HPO}_4$	42.9	68.9	81.8	97.2	110	121
Ammonium hydrogen sulfate	$\text{NH}_4\text{HSO}_4$		100				
Ammonium hydrogen tartrate	$\text{NH}_4\text{HC}_4\text{H}_4\text{O}_6$		2.7				
Ammonium iodate	$\text{NH}_4\text{IO}_3$						14.5
Ammonium iodide	$\text{NH}_4\text{I}$	155	172	191	209	229	250
Ammonium nitrate	$\text{NH}_4\text{NO}_3$	118	192	297	421	580	871
Ammonium ortho periodate	$(\text{NH}_4)_5\text{IO}_6$		2.7				
Ammonium oxalate	$(\text{NH}_4)_2\text{C}_2\text{O}_4$	2.2	4.45	8.18	14.0	22.4	34.7
Ammonium perchlorate	$\text{NH}_4\text{ClO}_4$	11.56	20.85	30.58	39.05	48.19	57.01
Ammonium permanganate	$\text{NH}_4\text{MnO}_4$					dec	
Ammonium phosphate	$(\text{NH}_4)_3\text{PO}_4$	9.40	20.3				
Ammonium selenate	$(\text{NH}_4)_2\text{SeO}_4$	96	115	143	192		
Ammonium sulfate	$(\text{NH}_4)_2\text{SO}_4$	70.6	75.4	81.2	87.4	94.1	103
Ammonium aluminum sulfate	$\text{NH}_4\text{Al}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	2.4	7.4	14.6	26.7	53.9	121
Ammonium sulfite	$(\text{NH}_4)_2\text{SO}_3$	47.9	60.8	78.4	104	144	153
Ammonium tartrate	$(\text{NH}_4)_2\text{C}_4\text{H}_4\text{O}_6$	45	63	76.5	86.9		
Ammonium thio cyanate	$\text{NH}_4\text{SCN}$	120	170	234	346		
Ammonium thiosulfate	$(\text{NH}_4)_2\text{S}_2\text{O}_3$		173	205		269	
Ammonium vanadate	$\text{NH}_4\text{VO}_3$		0.48	1.32	2.42		7.0

Aniline	$C_6H_7N$		3.6					
Antimony tri fluoride	$SbF_3$	385	444	dec				
Antimony sulfide	$Sb_2S_3$		0.00018					
Antimony tri chloride	$SbCl_3$	602	910	1370	4531			
Argon (Unit:mL / mL)	Ar	0.056	0.0336	0.0252				
Arsenic penta sulfide	$As_2S_5$	0.0014						
Arsenic pentoxide	$As_2O_5$	59.5	65.8	71.2	73.0	75.1	76.7	
Arsenious sulfide	$As_2S_3$		0.0004					
Arsenic trioxide	$As_2O_3$	1.21	1.80	2.93	4.44	5.89	9	
Arsine (Unit:mL/mL)	$AsH_3$		0.2					

**B**

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Barium arsenate	$Ba_3(AsO_4)_2$		2.586				
Barium azide	$Ba(N_3)_2$	12.5	17.4				
Barium bromate mono hydrate	$Ba(BrO_3)_2 \cdot H_2O$	0.29	0.65	1.31	2.27	3.65	5.71
Barium bromide	$BaBr_2$	98	104	114	123	135	149
Barium carbonate	$BaCO_3$		0.00140				
Barium chlorate	$Ba(ClO_3)_2$	20.3	33.9	49.7	66.7	84.8	105
Barium chloride	$BaCl_2$	31.2	35.8	40.8	46.2	52.5	59.4
Barium chlorite	$Ba(ClO_2)_2$	43.9	45.4	47.9	53.8	66.6	80.8
Barium chromate	$BaCrO_4$		0.00027				
Barium cyanide	$Ba(CN)_2$		80				
Barium ferro cyanide	$Ba_2Fe(CN)_6$		0.00973				

			2				
Barium fluoride	BaF <sub>2</sub>		0.16				
Barium fluorosilicate	BaSiF <sub>6</sub>		0.028				
Barium formate	Ba(HCO <sub>2</sub> ) <sub>2</sub>	26.2	31.9			47.6	
Barium hydrogen phosphate	BaHPO <sub>4</sub>		0.013				
Barium hydrogen phosphite	BaHPO <sub>3</sub>		0.687				
Barium hydroxide	Ba(OH) <sub>2</sub> .8H <sub>2</sub> O	1.67	3.89	8.22	20.9	101	
Barium iodate	Ba(IO <sub>3</sub> ) <sub>2</sub>		0.035	0.057			0.2
Barium iodide	BaI <sub>2</sub>	182	223		264		301
Barium molybdate	BaMoO <sub>4</sub>		0.006				
Barium nitrate	Ba(NO <sub>3</sub> ) <sub>2</sub>	4.95	9.02	14.1	20.4	27.2	34.4
Barium nitrite	Ba(NO <sub>2</sub> ) <sub>2</sub>	50.3	72.8	102	151	222	325
Barium oxalate	BaC <sub>2</sub> O <sub>4</sub> .2H <sub>2</sub> O		0.003				
Barium oxide	BaO		3.48				
Barium perchlorate	Ba(ClO <sub>4</sub> ) <sub>2</sub>	239	336	416	495	575	653
Barium permanganate	Ba(MnO <sub>4</sub> ) <sub>2</sub>		0.015				
Barium pyrophosphate	Ba <sub>2</sub> P <sub>2</sub> O <sub>7</sub>		0.009				
Barium selenate	BaSeO <sub>4</sub>		0.005				
Barium sulfate	BaSO <sub>4</sub>		0.00024				
Barium sulfide	BaS	2.88	7.86	14.9	27.7	49.9	60.3
Beryllium carbonate	BeCO <sub>3</sub>		0.218				
Beryllium chloride	BeCl <sub>2</sub>		42				
Beryllium molybdate	BeMoO <sub>4</sub>		3.02				
Beryllium nitrate	Be(NO <sub>3</sub> ) <sub>2</sub>	97	108	125	178		

Beryllium oxalate	$\text{BeC}_2\text{O}_4 \cdot 3\text{H}_2\text{O}$		63.5					
Beryllium perchlorate	$\text{Be}(\text{ClO}_4)_2$		147					
Beryllium selenate	$\text{BeSeO}_4 \cdot 4\text{H}_2\text{O}$		49					
Beryllium sulfate	$\text{BeSO}_4$	37	39.1	45.8	53.1	67.2	82.8	
Bismuth arsenate	$\text{BiAsO}_4$		0.00072					
Bismuth hydroxide	$\text{Bi}(\text{OH})_3$		2.868					
Bismuth iodide	$\text{BiI}_3$		0.00077					
Bismuth phosphate	$\text{BiPO}_4$		1.096					
Bismuth sulfide	$\text{Bi}_2\text{S}_3$		1.561					
Boric acid	$\text{H}_3\text{BO}_3$	2.52	4.72	8.08	12.97	19.10	27.53	
Boron trioxide	$\text{B}_2\text{O}_3$		2.2					
Bromine monochloride	$\text{BrCl}$		1.5					

## C

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Cadmium arsenate	$\text{Cd}_3(\text{AsO}_4)_2$		0.00007				
Cadmium benzoate	$\text{Cd}(\text{C}_7\text{H}_5\text{O}_2)_2$		2.81				
Cadmium bromate	$\text{Cd}(\text{BrO}_3)_2$		125				
Cadmium bromide	$\text{CdBr}_2$	56.3	98.8	152	153	156	160
Cadmium carbonate	$\text{CdCO}_3$		0.00003				
Cadmium chlorate	$\text{Cd}(\text{ClO}_3)_2$	299	322	376	455		
Cadmium chloride	$\text{CdCl}_2$	100	135	135	136	140	147
Cadmium cyanide	$\text{Cd}(\text{CN})_2$		0.022				
Cadmium ferro cyanide	$\text{Cd}_2\text{Fe}(\text{CN})_6$		0.00008				

			736				
Cadmium fluoride	$\text{CdF}_2$		4				
Cadmium formate	$\text{Cd}(\text{HCO}_2)_2$	8.3	14.4	25.3	59.5	80.5	94.6
Cadmium hydroxide	$\text{Cd}(\text{OH})_2$		0.00026				
Cadmium iodate	$\text{Cd}(\text{IO}_3)_2$		0.097				
Cadmium iodide	$\text{CdI}_2$	78.7	84.7	92.1	100	111	125
Cadmium nitrate	$\text{Cd}(\text{NO}_3)_2$	122	136	194	310	713	
Cadmium oxalate	$\text{CdC}_2\text{O}_4 \cdot 3\text{H}_2\text{O}$		0.00604				
Cadmium perchlorate	$\text{Cd}(\text{ClO}_4)_2$		188	203	221	243	272
Cadmium phosphate	$\text{Cd}_3(\text{PO}_4)_2$		6.23				
Cadmium selenate	$\text{CdSeO}_4$	72.5	64	55	44.2	32.5	22
Cadmium sulfate	$\text{CdSO}_4$	75.4	76.6	78.5	81.8	66.7	60.8
Cadmium sulfide	$\text{CdS}$		1.292				
Cadmium tungstate	$\text{CdWO}_4$		0.04642				
Caesium acetate	$\text{CsC}_2\text{H}_3\text{O}_2$		1010				
Caesium azide	$\text{CsN}_3$		307				
Caesium bromate	$\text{CsBrO}_3$	0.21	3.66	5.3			
Caesium bromide	$\text{CsBr}$		108				
Caesium chlorate	$\text{CsClO}_3$		6.2	13.8	26.2	45	79
Caesium chloride	$\text{CsCl}$	146	187	208	230	250	271
Caesium chromate	$\text{Cs}_2\text{CrO}_4$						
Caesium fluoride	$\text{CsF}$		322				
Caesium fluoroborate	$\text{CsBF}_4$		0.818				
Caesium formate	$\text{CsHCO}_2$	335	450				

Caesium iodate	CsIO <sub>3</sub>		2.6				
Caesium iodide	CsI	44.1	76.5	124	150	190	
Caesium nitrate	CsNO <sub>3</sub>	9.33	23	47.2	83.8	134	197
Caesium oxalate	Cs <sub>2</sub> C <sub>2</sub> O <sub>4</sub>		313				
Caesium perchlorate	CsClO <sub>4</sub>	0.8	1.6	4	7.3	14.4	30
Caesium permanganate	CsMnO <sub>4</sub>		0.228				
Caesium selenate	Cs <sub>2</sub> SeO <sub>4</sub>						
Caesium sulfate	Cs <sub>2</sub> SO <sub>4</sub>	167	179	190	200	210	200
Calcium acetate	Ca(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> .2H <sub>2</sub> O	37.4	34.7	33.2	32.7	33.5	29.7
Calcium arsenate	Ca <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>		0.00362				
Calcium azide	Ca(N <sub>3</sub> ) <sub>2</sub>		45				
Calcium benzoate	Ca(C <sub>7</sub> H <sub>5</sub> O <sub>2</sub> ) <sub>2</sub> .3H <sub>2</sub> O	2.32	2.72	3.42	4.71	6.87	8.7
Calcium bicarbonate	Ca(HCO <sub>3</sub> ) <sub>2</sub>	16.1	16.6	17.1	17.5	17.9	18.4
Calcium bromate	Ca(BrO <sub>3</sub> ) <sub>2</sub>		230				
Calcium bromide	CaBr <sub>2</sub>	125	143	213	278	295	312
Calcium carbonate (Aragonite)	CaCO <sub>3</sub> -Aragonite		0.00077				
Calcium carbonate (Calcite)	CaCO <sub>3</sub> -Calcite		0.00061				
Calcium chlorate	Ca(ClO <sub>3</sub> ) <sub>2</sub>		209				
Calcium chloride	CaCl <sub>2</sub>	59.5	74.5	128	137	147	159
Calcium chromate	CaCrO <sub>4</sub>	4.5	2.25	1.49	0.83		
Monocalcium phosphate	Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>		1.8				
Calcium fluoride	CaF <sub>2</sub>		0.00857				
Calcium fluorosilicate	CaSiF <sub>6</sub>		0.518				
Calcium formate	Ca(HCO <sub>2</sub> ) <sub>2</sub>	16.1	16.6	17.1	17.5	17.9	18.4

Dicalcium phosphate	$\text{CaHPO}_4$		0.00430					
Calcium hydroxide	$\text{Ca(OH)}_2$	0.189	0.173	0.141	0.121	0.086		
Calcium iodate	$\text{Ca(IO}_3)_2$	0.09	0.24	0.52	0.65	0.66		0.67
Calcium iodide	$\text{CaI}_2$	64.6	66	70.8	74	78		81
Calcium molybdate	$\text{CaMoO}_4$		0.00409					
Calcium nitrate	$\text{Ca(NO}_3)_2$		121.2					
Calcium nitrate tetra hydrate	$\text{Ca(NO}_3)_2 \cdot 4\text{H}_2\text{O}$	102	129	191		358		363
Calcium nitrite	$\text{Ca(NO}_2)_2 \cdot 4\text{H}_2\text{O}$	63.9	84.5		134	151		178
Calcium oxalate	$\text{CaC}_2\text{O}_4$		0.00067					
Calcium oxide	$\text{CaO}$							5.7
Calcium perchlorate	$\text{Ca(ClO}_4)_2$		188					
Calcium permanganate	$\text{Ca(MnO}_4)_2$		338					
Calcium phosphate	$\text{Ca}_3(\text{PO}_4)_2$		0.002					
Calcium selenate	$\text{CaSeO}_4 \cdot 2\text{H}_2\text{O}$	9.73	9.22	7.14				
Calcium sulfate	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	0.223	0.255	0.265	0.244	0.234		0.205
Calcium tungstate	$\text{CaWO}_4$		0.00238					
Carbon dioxide	$\text{CO}_2$		0.1782					
Carbon monoxide	$\text{CO}$		0.0026					
Cerium(III) acetate	$\text{Ce(C}_2\text{H}_3\text{O}_2)_3$		0.35					
Cerium(III) chloride	$\text{CeCl}_3$		100					
Cerium(III) hydroxide	$\text{Ce(OH)}_3$		0.00009					
Cerium(III) iodate	$\text{Ce(IO}_3)_3$		0.123					
Cerium(III) nitrate	$\text{Ce(NO}_3)_3$		234					
Cerium(III) phosphate	$\text{CePO}_4$		7.43					



Cerium(III) selenate	$\text{Ce}_2(\text{SeO}_4)_3$	39.5	35.2	32.6	13.7	4.6	
Cerium(III) sulfate	$\text{Ce}_2(\text{SO}_4)_3 \cdot 2\text{H}_2\text{O}$	21.4	9.84	5.63	3.87		
Cerium(IV) hydroxide	$\text{Ce}(\text{OH})_4$		1.981				
Chromium(III) nitrate	$\text{Cr}(\text{NO}_3)_3$	108	130				
Chromium(III) perchlorate	$\text{Cr}(\text{ClO}_4)_3$	104	130				
Chromium(III) sulfate	$\text{Cr}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$		220				
Chromium(VI) oxide	$\text{CrO}_3$	61.7	63				
Cobalt(II) bromate	$\text{Co}(\text{BrO}_3)_2 \cdot 6\text{H}_2\text{O}$		45.5				
Cobalt(II) bromide	$\text{CoBr}_2$	91.9	112	163	227	241	257
Cobalt(II) chlorate	$\text{Co}(\text{ClO}_3)_2$	135	180	214	316		
Cobalt(II) chloride	$\text{CoCl}_2$	43.5	52.9	69.5	93.8	97.6	106
Cobalt(II) fluoride	$\text{CoF}_2$		1.36				
Cobalt(II) fluorosilicate	$\text{CoSiF}_6 \cdot 6\text{H}_2\text{O}$		118				
Cobalt(II) iodate	$\text{Co}(\text{IO}_3)_2 \cdot 2\text{H}_2\text{O}$		1.02	0.88	0.82	0.73	0.7
Cobalt(II) iodide	$\text{CoI}_2$		203				
Cobalt(II) nitrate	$\text{Co}(\text{NO}_3)_2$	84	97.4	125	174	204	
Cobalt(II) nitrite	$\text{Co}(\text{NO}_2)_2$	0.076	0.4	0.85			
Cobalt oxalate	$\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$		2.6972				
Cobalt(II) perchlorate	$\text{Co}(\text{ClO}_4)_2$		104				
Cobalt(II) sulfate	$\text{CoSO}_4$	25.5	36.1	48.8	55	53.8	38.9
Copper(I) chloride	$\text{CuCl}$		0.0099				
Copper(I) cyanide	$\text{CuCN}$		1.602				
Copper(I) hydroxide	$\text{CuOH}$		8.055				
Copper(I) iodide	$\text{CuI}$		0.00001				

			997				
Copper(I) sulfide	Cu <sub>2</sub> S		1.361				
Copper(I) thio cyanate	CuSCN		8.427				
Copper(II) bromide	CuBr <sub>2</sub>	107	126	131			
Copper(II) carbonate	CuCO <sub>3</sub>		0.00014				
Copper(II) chlorate	Cu(ClO <sub>3</sub> ) <sub>2</sub>		242				
Copper(II) chloride	CuCl <sub>2</sub>	68.6	73	87.6	96.5	104	120
Copper(II) chromate	CuCrO <sub>4</sub>		0.03407				
Copper(II) fluoride	CuF <sub>2</sub>		0.075				
Copper(II) fluorosilicate	CuSiF <sub>6</sub>	73.5	81.6	91.2		93.2	
Copper(II) formate	Cu(HCO <sub>2</sub> ) <sub>2</sub>		12.5				
Copper(II) hydroxide	Cu(OH) <sub>2</sub>		0.00001				
Copper(II) iodate	Cu(IO <sub>3</sub> ) <sub>2</sub> .2H <sub>2</sub> O		0.109				
Copper(II) nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	83.5	125	163	182	208	247
Copper oxalate	CuC <sub>2</sub> O <sub>4</sub> .2H <sub>2</sub> O		2.1627				
Copper(II) perchlorate	Cu(ClO <sub>4</sub> ) <sub>2</sub>						
Copper(II) selenate	CuSeO <sub>4</sub>	12	17.5	25.2	36.5	53.7	
Copper(II) selenite	CuSeO <sub>3</sub>		0.00276				
Copper(II) sulfate	CuSO <sub>4</sub> .5H <sub>2</sub> O	23.1	32	44.6	61.8	83.8	114
Copper(II) sulfide	CuS		2.41				

**D**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Dysprosium(III) chromate	Dy <sub>2</sub> (CrO <sub>4</sub> ) <sub>3</sub> .10H <sub>2</sub> O		0.663				

**E**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Erbium(III) sulfate	$\text{Er}_2(\text{SO}_4)_3$		13.79				
Erbium(III) sulfate octahydrate	$\text{Er}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$		16.00	6.53			
Europium(III) hydroxide	$\text{Eu}(\text{OH})_3$		0.00001				
Europium(III) sulfate	$\text{Eu}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$		2.56				

**F**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Fructose	$\text{C}_6\text{H}_{12}\text{O}_6$		375.0	538.0			
Gadolinium(III) acetate	$\text{Gd}(\text{C}_2\text{H}_3\text{O}_2)_3 \cdot 4\text{H}_2\text{O}$		11.6				
Gadolinium(III) bicarbonate	$\text{Gd}(\text{HCO}_3)_3$		5.61				
Gadolinium(III) bromate	$\text{Gd}(\text{BrO}_3)_3 \cdot 9\text{H}_2\text{O}$	50.2	95.6	166			
Gadolinium(III) hydroxide	$\text{Gd}(\text{OH})_3$		0.00001				
Gadolinium(III) sulfate	$\text{Gd}_2(\text{SO}_4)_3$	3.98	2.6				
D-Galactose	$\text{C}_6\text{H}_{12}\text{O}_6$		10.3				68.3
Gallium hydroxide	$\text{Ga}(\text{OH})_3$		8.616				
Gallium oxalate	$\text{Ga}_2(\text{C}_2\text{O}_4)_3 \cdot 4\text{H}_2\text{O}$		0.4				
Gallium selenate	$\text{Ga}_2(\text{SeO}_4)_3 \cdot 16\text{H}_2\text{O}$		18.1				
Gallium hydroxide	$\text{Ga}(\text{OH})_3$		8.616				
Gallium oxalate	$\text{Ga}_2(\text{C}_2\text{O}_4)_3 \cdot 4\text{H}_2\text{O}$		0.4				
Gallium selenate	$\text{Ga}_2(\text{SeO}_4)_3 \cdot 16\text{H}_2\text{O}$		18.1				
D-Glucose	$\text{C}_6\text{H}_{12}\text{O}_6$		49				

Gold(III) chloride	$\text{AuCl}_3$	68
Gold(V) oxalate	$\text{Au}_2(\text{C}_2\text{O}_4)_5$	0.258

**H**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Hafnium (III) hydroxide	$\text{Hf}(\text{OH})_3$		0.00045				
Hafnium (IV) hydroxide	$\text{Hf}(\text{OH})_4$		0.00004				
Helium	He		0.6				
Holmium (III) hydroxide	$\text{Ho}(\text{OH})_3$		0.00002				
Holmium (III) sulfate	$\text{Ho}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$		8.18	4.52			
Hydrogen chloride	HCl	81	70	61	53	47	40
Hydrogen sulfide	$\text{H}_2\text{S}$		0.33				

**I**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Indium(III) bromide	$\text{InBr}_3$		571				
Indium(III) chloride	$\text{InCl}_3$		212				
Indium(III) fluoride	$\text{InF}_3$		11.2				
Indium(III) hydroxide	$\text{In}(\text{OH})_3$		3.645				
Indium(III) iodate	$\text{In}(\text{IO}_3)_3$		0.067				
Indium(III) sulfide	$\text{In}_2\text{S}_3$		2.867				
Iron(II) bromide	$\text{FeBr}_2$	101	117	133	144	168	184
Iron(II) carbonate	$\text{FeCO}_3$		0.00006				

Iron (II) chloride	FeCl <sub>2</sub>	49.7	62.5	70	78.3	88.7	94.9
Iron (II) fluorosilicate	FeSiF <sub>6</sub> .6H <sub>2</sub> O	72.1			84	88	100
Iron (II) hydroxide	Fe(OH) <sub>2</sub>		0.00005				
Iron (II) nitrate	Fe(NO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O	113					
Iron (II) oxalate	FeC <sub>2</sub> O <sub>4</sub> .2H <sub>2</sub> O		0.008				
Iron (II) perchlorate	Fe(ClO <sub>4</sub> ) <sub>2</sub> .6H <sub>2</sub> O		299				
Iron (II) sulfate	FeSO <sub>4</sub> .7H <sub>2</sub> O		28.8	40	60		79.9
Iron (III) arsenate	FeAsO <sub>4</sub>		1.47				
Iron (III) chloride	FeCl <sub>3</sub> .6H <sub>2</sub> O	74.4	91.8				
Iron (III) fluoride	FeF <sub>3</sub>		0.091				
Iron (III) hydroxide	Fe(OH) <sub>3</sub>		2.09				
Iron (III) iodate	Fe(IO <sub>3</sub> ) <sub>3</sub>		0.36				
Iron (III) nitrate	Fe(NO <sub>3</sub> ) <sub>3</sub> .9H <sub>2</sub> O	112	138	175			
Iron (III) perchlorate	Fe(ClO <sub>4</sub> ) <sub>3</sub>	289	368	478	772		
Iron (III) sulfate	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> .9H <sub>2</sub> O		440				

## L

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Lactose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>		8				
Lanthanum (III) acetate	La(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> .H <sub>2</sub> O		16.9				
Lanthanum (III) bromate	La(BrO <sub>3</sub> ) <sub>3</sub>	98	149				
Lanthanum (III) iodate	La(IO <sub>3</sub> ) <sub>3</sub>		0.04575				
Lanthanum (III) molybdate	La <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub>		0.00247				
Lanthanum (III) nitrate	La(NO <sub>3</sub> ) <sub>3</sub>	100	136	168	247		

Lanthanum (III) selenate	$\text{La}_2(\text{SeO}_4)_3$	50.5	45	45	18.5	5.4	
Lanthanum (III) sulfate	$\text{La}_2(\text{SO}_4)_3$	3	2.33	1.67	1.26	0.91	0.68
Lanthanum (III) tungstate	$\text{La}_2(\text{WO}_4)_3 \cdot 3\text{H}_2\text{O}$		6.06				
Lead (II) acetate	$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$	19.8	44.3	116			
Lead (II) azide	$\text{Pb}(\text{N}_3)_2$		0.0249				
Lead (II) bromate	$\text{Pb}(\text{BrO}_3)_2$		7.92				
Lead (II) bromide	$\text{PbBr}_2$	0.45	0.86	1.5	2.29	3.32	4.55
Lead (II) carbonate	$\text{PbCO}_3$		0.00007				
Lead (II) chlorate	$\text{Pb}(\text{ClO}_3)_2$		144				
Lead (II) chloride	$\text{PbCl}_2$	0.67	1	1.42	1.94	2.54	3.2
Lead (II) chromate	$\text{PbCrO}_4$		0.00001				
Lead (II) ferro cyanide	$\text{PbFe}(\text{CN})_6$		0.00059				
Lead (II) fluoride	$\text{PbF}_2$		0.04634				
Lead (II) fluorosilicate	$\text{PbSiF}_6$	190	222		403	428	463
Lead (II) hydrogen phosphate	$\text{PbHPO}_4$		0.00034				
Lead (II) hydrogen phosphite	$\text{PbHPO}_3$		0.02187				
Lead (II) hydroxide	$\text{Pb}(\text{OH})_2$		0.00016				
Lead (II) iodate	$\text{Pb}(\text{IO}_3)_2$		0.0024				
Lead (II) iodide	$\text{PbI}_2$	0.044	0.069	0.124	0.193	0.294	0.42
Lead (II) molybdate	$\text{PbMoO}_4$		0.00001				
Lead (II) nitrate	$\text{Pb}(\text{NO}_3)_2$	37.5	54.3	72.1	91.6	111	133
Lead (II) oxalate	$\text{PbC}_2\text{O}_4$		0.00064				
Lead (II) perchlorate	$\text{Pb}(\text{ClO}_4)_2 \cdot 3\text{H}_2\text{O}$		440				
Lead (II) selenate	$\text{PbSeO}_4$		0.0131				

Lead (II) sulfate	PbSO <sub>4</sub>	0.0038					
Lead (II) sulfide	PbS	6.767					
Lead (II) tartrate	PbC <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	0.0025					
Lead (II) thiocyanate	Pb(SCN) <sub>2</sub>	0.553					
Lead (II) thiosulfate	PbS <sub>2</sub> O <sub>3</sub>	0.0202					
Lead (II) tungstate	PbWO <sub>4</sub>	0.02838					
Lead (IV) hydroxide	Pb(OH) <sub>4</sub>	7.229					
Lithium acetate	LiC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	31.2	40.8	68.6			
Lithium azide	LiN <sub>3</sub>	61.3	67.2	75.4	86.6		100
Lithium benzoate	LiC <sub>7</sub> H <sub>5</sub> O <sub>2</sub>	38.9	44.7				
Lithium bicarbonate	LiHCO <sub>3</sub>		5.74				
Lithium bromate	LiBrO <sub>3</sub>	154	179	221	269	308	355
Lithium bromide	LiBr	143	160	211	223	245	266
Lithium carbonate	Li <sub>2</sub> CO <sub>3</sub>	1.54	1.33	1.17	1.01	0.85	0.72
Lithium chlorate	LiClO <sub>3</sub>	241	372	604	777		
Lithium chloride	LiCl	69.2	83.5	89.8	98.4	112	128
Lithium chromate	Li <sub>2</sub> CrO <sub>4</sub> .2H <sub>2</sub> O		142				
Lithium dichromate	Li <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> .2H <sub>2</sub> O						
Lithium dihydrogen phosphate	LiH <sub>2</sub> PO <sub>4</sub>	126					
Lithium fluoride	LiF		0.27				
Lithium fluorosilicate	Li <sub>2</sub> SiF <sub>6</sub> .2H <sub>2</sub> O		73				
Lithium formate	LiHCO <sub>2</sub>	32.3	39.3	49.5	64.7	92.7	138
Lithium hydrogen phosphite	Li <sub>2</sub> HPO <sub>3</sub>	4.43		7.61	7.11		6.03
Lithium hydroxide	LiOH	12.7	12.8	13.0	13.8	15.3	17.5

Lithium iodide	Li I	151	165	179	202	435	481
Lithium molybdate	Li <sub>2</sub> MoO <sub>4</sub>	82.6	79.5	78			73.9
Lithium nitrate	LiNO <sub>3</sub>	53.4	70.1	152	175		
Lithium nitrite	LiNO <sub>2</sub>	70.9	96.8	133	177	233	324
Lithium oxalate	Li <sub>2</sub> C <sub>2</sub> O <sub>4</sub>		8				
Lithium perchlorate	LiClO <sub>4</sub>	42.7	56.1	72.3	92.3	128	
Lithium permanganate	LiMnO <sub>4</sub>		71.4				
Lithium phosphate	Li <sub>3</sub> PO <sub>4</sub>		0.039				
Lithium selenide	Li <sub>2</sub> Se		57.7				
Lithium selenite	Li <sub>2</sub> SeO <sub>3</sub>	25	21.5	17.9	14.7	11.9	9.9
Lithium sulfate	Li <sub>2</sub> SO <sub>4</sub>	36.1	34.8	33.7	32.6	31.4	
Lithium tartrate	Li <sub>2</sub> C <sub>4</sub> H <sub>4</sub> O <sub>6</sub>	42	27.1	27.2	29.5		
Lithium thiocyanate	LiSCN		114	153			
Lithium vanadate	LiVO <sub>3</sub>	2.5	4.82	4.38	2.67		
Lutetium(III) hydroxide	Lu(OH) <sub>3</sub>		0.00001				
Lutetium(III) sulfate	Lu <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> .8H <sub>2</sub> O		57.9				

## M

Substance	Formula	0 °C	30 °C	40 °C	60 °C	80 °C	100 °C
Magnesium acetate	Mg(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>	56.7	68.6	75.7	118		
Magnesium benzoate	Mg(C <sub>7</sub> H <sub>5</sub> O <sub>2</sub> ) <sub>2</sub> .H <sub>2</sub> O			5			
Magnesium bromate	Mg(BrO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O			58			
Magnesium bromide	MgBr <sub>2</sub>	98	104	106	112		125
Magnesium carbonate	MgCO <sub>3</sub>						



Magnesium chlorate	Mg(ClO <sub>3</sub> ) <sub>2</sub>	114	155	178	242		
Magnesium chloride	MgCl <sub>2</sub>	52.9	55.8	57.5	61	66.1	73.3
Magnesium fluorosilicate	MgSiF <sub>6</sub>	26.3		34.9	44.4		
Magnesium formate	Mg(HCO <sub>2</sub> ) <sub>2</sub>	14	14.9	15.9	17.9	20.5	22.9
Magnesium iodate	Mg(IO <sub>3</sub> ) <sub>2</sub>		10	11.7	15.2	15.5	
Magnesium iodide	MgI <sub>2</sub>	120		173		186	
Magnesium nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub>	62.1	73.6	78.9	78.9	91.6	
Magnesium selenate	MgSeO <sub>4</sub>	20	44.3	48.6	55.8		
Magnesium sulfate	MgSO <sub>4</sub>	22	38.9	44.5	54.6	55.8	50.4
Manganese(II) bromide	MnBr <sub>2</sub>	127	157	169	197	225	228
Manganese(II) chloride	MnCl <sub>2</sub>	63.4	80.8	88.5	109	113	115
Manganese(II) fluoride	MnF <sub>2</sub>			0.67	0.44		0.48
Manganese(II) nitrate	Mn(NO <sub>3</sub> ) <sub>2</sub>	102	206				
Manganese(II) oxalate	MnC <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O	0.02	0.033				
Manganese(II) sulfate	MnSO <sub>4</sub>	52.9	62.9	60	53.6	45.6	35.3
Mercury(I) perchlorate	Hg <sub>2</sub> (ClO <sub>4</sub> ) <sub>2</sub>	282	455				
Mercury(II) bromide	HgBr <sub>2</sub>	0.3	0.66	0.91	1.68	2.77	4.9
Mercury(II) chloride	HgCl <sub>2</sub>	3.63	8.34	10.2	16.3	30	61.3

## N

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Neodymium(III) acetate	Nd (C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> ·H <sub>2</sub> O		26.2				
Neodymium(III) bromate	Nd(BrO <sub>3</sub> ) <sub>3</sub>	43.9	75.6	116			
Neodymium(III) chloride	NdCl <sub>3</sub>		98	102	105		

Neodymium(III) molybdate	$\text{Nd}_2(\text{MoO}_4)_3$						
Neodymium(III) nitrate	$\text{Nd}(\text{NO}_3)_3$	127	142	159	211		
Neodymium(III) selenate	$\text{Nd}_2(\text{SeO}_4)_3$	45.2	41.8	39.9	43.9	7	
Neodymium(III) sulfate	$\text{Nd}_2(\text{SO}_4)_3$	13	7.1	4.1	2.8	2.2	
Nickel(II) bromate	$\text{Ni}(\text{BrO}_3)_2 \cdot 6\text{H}_2\text{O}$		28				
Nickel(II) bromide	$\text{NiBr}_2$	113	131	144	153	154	155
Nickel(II) carbonate	$\text{NiCO}_3$		0.00096				
Nickel(II) chlorate	$\text{Ni}(\text{ClO}_3)_2$	111	133	181	221	308	
Nickel(II) chloride	$\text{NiCl}_2$	53.4	66.8	73.2	81.2	86.6	87.6
Nickel(II) fluoride	$\text{NiF}_2$		2.56		2.56		
Nickel(II) hydroxide	$\text{Ni}(\text{OH})_2$		0.013				
Nickel(II) iodate	$\text{Ni}(\text{IO}_3)_2$	0.74	0.062				
Nickel(II) iodide	$\text{NiI}_2$	124	148	174	184	187	
Nickel(II) nitrate	$\text{Ni}(\text{NO}_3)_2$	79.2	94.2	119	158	187	
Nickel oxalate	$\text{NiC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$		3.				
Nickel(II) perchlorate	$\text{Ni}(\text{ClO}_4)_2$	105	110	117			
Nickel(II) pyrophosphate	$\text{Ni}_2\text{P}_2\text{O}_7$		0.00101				
Nickel(II) sulfate	$\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$		44.4	49.2	55.6	64.5	76.7
Nitric oxide	$\text{NO}$		0.0056				
Nitrous oxide	$\text{N}_2\text{O}$		0.112				

**O**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Oxalic acid	$\text{H}_2\text{C}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$	4.96	13.3	30.1	62.1	118	

**P**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Palladium(II) hydroxide	$\text{Pd}(\text{OH})_2$		4.106				
Palladium(IV) hydroxide	$\text{Pd}(\text{OH})_4$		5.247				
Phenol	$\text{C}_6\text{H}_5\text{OH}$		8.3	miscible			
Platinum(II) hydroxide	$\text{Pt}(\text{OH})_2$		3.109				
Platinum(IV) bromide	$\text{PtBr}_4$		1.352				
Plutonium(III) fluoride	$\text{PuF}_3$		0.0003				
Plutonium(IV) fluoride	$\text{PuF}_4$		0.0003				
Plutonium(IV) iodate	$\text{Pu}(\text{IO}_3)_4$		0.0799				
Polonium(II) sulfide	$\text{PoS}$		2.378				
Potassium acetate	$\text{KC}_2\text{H}_3\text{O}_2$	216	256	324	350	381	
Potassium arsenate	$\text{K}_3\text{AsO}_4$		19				
Potassium azide	$\text{KN}_3$	41.4	50.8	61			106
Potassium benzoate	$\text{KC}_7\text{H}_5\text{O}_2$		70.7	82.1			
Potassium bromate	$\text{KBrO}_3$	3.09	6.91	13.1	22.7	34.1	49.9
Potassium bromide	$\text{KBr}$	53.6	65.3	75.4	85.5	94.9	104
Potassium hexabromoplatinate	$\text{K}_2\text{PtBr}_6$		1.89				
Potassium carbonate	$\text{K}_2\text{CO}_3$	105	111	117	127	140	156

Potassium chlorate	KClO <sub>3</sub>	3.3	7.3	13.9	23.8	37.5	56.3
Potassium chloride	KCl	28	34.2	40.1	45.8	51.3	56.3
Potassium chromate	K <sub>2</sub> CrO <sub>4</sub>	56.3	63.7	67.8	70.1		
Potassium cyanide	KCN		50				
Potassium dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	4.7	12.3	26.3	45.6	73	
Potassium dihydrogen arsenate	KH <sub>2</sub> AsO <sub>4</sub>		19				
Potassium dihydrogen phosphate	KH <sub>2</sub> PO <sub>4</sub>	14.8	22.6	35.5	50.2	70.4	
Potassium ferricyanide	K <sub>3</sub> Fe(CN) <sub>6</sub>	30.2	46	59.3	70		91
Potassium ferrocyanide	K <sub>4</sub> Fe(CN) <sub>6</sub>	14.3	28.2	41.4	54.8	66.9	74.2
Potassium fluoride	KF	44.7	94.9	138	142	150	
Potassium formate	KHCO <sub>2</sub>		337	398	471	580	
Potassium hydrogen carbonate	KHCO <sub>3</sub>	22.5	33.7	47.5	65.6		
Potassium hydrogen phosphate	K <sub>2</sub> HPO <sub>4</sub>		150				
Potassium hydrogen sulfate	KHSO <sub>4</sub>	36.2	48.6	61	76.4	96.1	122
Potassium hydrogen tartrate	KHC <sub>4</sub> H <sub>4</sub> O <sub>6</sub>		0.6				6,2
Potassium hydroxide	KOH	95.7	112	134	154		178
Potassium iodate	KIO <sub>3</sub>	4.6	8.08	12.6	18.3	24.8	32.3
Potassium iodide	KI	128	144	162	176	192	206
Potassium nitrate	KNO <sub>3</sub>	22.4	47	77	103.4	124.6	141
Potassium nitrite	KNO <sub>2</sub>	279	306	329	348	376	410
Potassium oxalate	K <sub>2</sub> C <sub>2</sub> O <sub>4</sub>	25.5	36.4	43.8	53.2	63.6	75.3
Potassium perchlorate	KClO <sub>4</sub>	0.76	1.68	3.73	7.3	13.4	22.3
Potassium periodate	KIO <sub>4</sub>	0.17	0.42	1	2.1	4.4	
Potassium permanganate	KMnO <sub>4</sub>	2.83	6.34	12.6	22.1		

Potassium persulfate	$K_2S_2O_8$		4.7					
Potassium phosphate	$K_3PO_4$		92.3	133				
Potassium selenate	$K_2SeO_4$	107	111	115	119	121	122	
Potassium sulfate	$K_2SO_4$	7.4	11.1	14.8	18.2	21.4	24.1	
Potassium tetrphenylborate	$KBC_{24}H_{20}$		0.0001					
Potassium thiocyanate	$KSCN$	177	224	289	372	492	675	
Potassium thiosulfate	$K_2S_2O_3$	96	155	205	238	293		
Potassium tungstate	$K_2WO_4$		51.5					
Praseodymium(III) acetate	$Pr(C_2H_3O_2)_3 \cdot H_2O$		32					
Praseodymium(III) bromate	$Pr(BrO_3)_3$	55.9	91.8	144				
Praseodymium(III) chloride	$PrCl_3$		104					
Praseodymium(III) molybdate	$Pr_2(MoO_4)_3$		0.0015					
Praseodymium(III) nitrate	$Pr(NO_3)_3$		112	178				
Praseodymium(III) sulfate	$Pr_2(SO_4)_3$	19.8	12.6	2.56	5.04	3.5	0.91	

## R

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Radium chloride	$RaCl_2$		19.6				
Radium iodate	$Ra(IO_3)_2$		0.04				
Radium nitrate	$Ra(NO_3)_2$		12				
Radium sulfate	$RaSO_4$		0.0002				
Raffinose	$C_{18}H_{32}O_{16} \cdot 5H_2O$		14				
Rubidium acetate	$RbC_2H_3O_2$				86		
Rubidium bromate	$RbBrO_3$				5.1		

Rubidium bromide	RbBr	90	108	132	158		
Rubidium chlorate	RbClO <sub>3</sub>	2.1	5.4	11.6	22	38	63
Rubidium chloride	RbCl	77	91	104	115	127	143
Rubidium chromate	Rb <sub>2</sub> CrO <sub>4</sub>	62	73.6	85.6	95.7		
Rubidium dichromate	Rb <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		5.9	15.2	32.3		
Rubidium fluoride	RbF		300				
Rubidium fluorosilicate	Rb <sub>2</sub> SiF <sub>6</sub>		0.157				
Rubidium formate	RbHCO <sub>2</sub>		554	694	900		
Rubidium hydrogen carbonate	RbHCO <sub>3</sub>		110				
Rubidium hydroxide	RbOH		180				
Rubidium iodate	RbIO <sub>3</sub>		1.96				
Rubidium iodide	RbI		144				
Rubidium nitrate	RbNO <sub>3</sub>	19.5	52.9	117	200	310	452
Rubidium perchlorate	RbClO <sub>4</sub>	1.09	1.55	3.26	6.27	11	22
Rubidium periodate	RbIO <sub>4</sub>		0.648				
Rubidium selenate	Rb <sub>2</sub> SeO <sub>4</sub>		159				
Rubidium sulfate	Rb <sub>2</sub> SO <sub>4</sub>	37.5	48.1	58.5	67.5	75.1	81.8

## S

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Samarium acetate	Sm(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> ·3H <sub>2</sub> O		15				
Samarium bromate	Sm(BrO <sub>3</sub> ) <sub>3</sub>	34.2	62.5	98.5			
Samarium chloride	SmCl <sub>3</sub>		93.4	96.9			
Samarium sulfate	Sm <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·8H <sub>2</sub> O		2.7				

Scandium oxalate	$\text{Sc}_2(\text{C}_2\text{O}_4)_3 \cdot 6\text{H}_2\text{O}$		0.006				
Scandium sulfate	$\text{Sc}_2(\text{SO}_4)_3 \cdot 5\text{H}_2\text{O}$		54.6				
Silicon dioxide	$\text{SiO}_2$		0.012				
Silver acetate	$\text{AgC}_2\text{H}_3\text{O}_2$	0.73	1.05	1.43	1.93	2.59	
Silver azide	$\text{AgN}_3$		0.00079				
Silver bromate	$\text{AgBrO}_3$		0.16	0.32	0.57	0.94	
Silver bromide	$\text{AgBr}$		0.00001				
Silver carbonate	$\text{Ag}_2\text{CO}_3$		0.00348				
Silver chlorate	$\text{AgClO}_3$		15.3	26.8			
Silver chloride	$\text{AgCl}$		0.00019				
Silver chlorite	$\text{AgClO}_2$		0.248				
Silver chromate	$\text{Ag}_2\text{CrO}_4$		0.00215				
Silver cyanide	$\text{AgCN}$		1.467				
Silver dichromate	$\text{Ag}_2\text{Cr}_2\text{O}_7$		0.159				
Silver fluoride	$\text{AgF}$	85.9	172	203			
Silver nitrate	$\text{AgNO}_3$	122	216	311	440	585	733
Silver oxalate	$\text{Ag}_2\text{C}_2\text{O}_4$		.00327				
Silver oxide	$\text{Ag}_2\text{O}$		.0012				
Silver perchlorate	$\text{AgClO}_4$	455	525	635			793
Silver permanganate	$\text{AgMnO}_4$		0.9				
Silver sulfate	$\text{Ag}_2\text{SO}_4$	0.57	0.8	0.98	1.15	1.3	1.41
Silver vanadate	$\text{AgVO}_3$		0.0146				
Sodium acetate	$\text{NaC}_2\text{H}_3\text{O}_2$	36.2	46.4	65.6	139	153	170
Sodium azide	$\text{NaN}_3$	38.9	40.8				

Sodium benzoate	$\text{NaC}_7\text{H}_5\text{O}_2$		66				
Sodium bromate	$\text{NaBrO}_3$	24.2	36.4	48.8	62.6	75.7	90.8
Sodium bromide	$\text{NaBr}$	80.2	90.8	107	118	120	121
Sodium carbonate	$\text{Na}_2\text{CO}_3$	7	21.5	49	46	43.9	45.5
Sodium chlorate	$\text{NaClO}_3$	79.6	95.9	115	137	167	204
Sodium chloride	$\text{NaCl}$	35.65	35.89	36.37	37.04	37.93	38.99
Sodium chromate	$\text{Na}_2\text{CrO}_4$	31.7	84	96	115	125	126
Sodium cyanide	$\text{NaCN}$	40.8	58.7	dec			
Sodium dichromate	$\text{Na}_2\text{Cr}_2\text{O}_7$	163	183	215	269	376	415
Monosodium phosphate	$\text{NaH}_2\text{PO}_4$	56.5	86.9	133	172	211	
Sodium fluoride	$\text{NaF}$	3.66	4.06	4.4	4.68	4.89	5.08
Sodium formate	$\text{HCOONa}$	43.9	81.2	108	122	138	160
Sodium hydrogen carbonate	$\text{NaHCO}_3$	7	9.6	12.7	16		
Sodium hydroxide	$\text{NaOH}$		109	129	174		
Sodium iodate	$\text{NaIO}_3$	2.48	8.08	13.3	19.8	26.6	33
Sodium iodide	$\text{NaI}$	159	178	205	257	295	302
Sodium molybdate	$\text{Na}_2\text{MoO}_4$	44.1	65.3	68.6	71.8		
Sodium nitrate	$\text{NaNO}_3$	73	87.6	102	122	148	180
Sodium nitrite	$\text{NaNO}_2$	71.2	80.8	94.9	111	133	160
Sodium oxalate	$\text{Na}_2\text{C}_2\text{O}_4$	2.69	3.41	4.18	4.93	5.71	6.5
Sodium perchlorate	$\text{NaClO}_4$	167	201	245	288	306	329
Sodium periodate	$\text{NaIO}_4$	1.83	10.3	30.4			
Sodium permanganate	$\text{NaMnO}_4$		90				
Sodium phosphate	$\text{Na}_3\text{PO}_4$	4.5	12.1	20.2	20.9	60	77



Sodium pyrophosphate	$\text{Na}_4\text{P}_2\text{O}_7$	2.26					
Sodium selenate	$\text{Na}_2\text{SeO}_4$	13.3	26.9	81.8	78.6	74.8	72.7
Sodium sulfate	$\text{Na}_2\text{SO}_4$	4.9	19.5	48.8	45.3	43.7	42.5
Sodium tetra phenyl borate	$\text{NaB}(\text{C}_6\text{H}_5)_4$	47					
Sodium thiosulfate	$\text{Na}_2\text{S}_2\text{O}_3$	71.5	73	77.6		90.8	97.2
Strontium acetate	$\text{Sr}(\text{C}_2\text{H}_3\text{O}_2)_2$	37	41.1	38.3	36.8	36.1	36.4
Strontium bromate	$\text{Sr}(\text{BrO}_3)_2 \cdot \text{H}_2\text{O}$		30.9				41
Strontium bromide	$\text{SrBr}_2$	85.2	102	123	150	182	223
Strontium carbonate	$\text{SrCO}_3$		0.0011				0.065
Strontium chlorate	$\text{SrClO}_3$		175				
Strontium chloride	$\text{SrCl}_2$	43.5	52.9	65.3	81.8	90.5	101
Strontium chromate	$\text{SrCrO}_4$		0.085				
Strontium fluoride	$\text{SrF}_2$		0.0001				
Strontium formate	$\text{Sr}(\text{HCO}_2)_2$	9.1	12.7	17.8	25	31.9	34.4
Strontium hydroxide	$\text{Sr}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$	0.91	1.77	3.95	8.42	20.2	91.2
Strontium iodate	$\text{Sr}(\text{IO}_3)_2$		0.19				0.35
Strontium iodide	$\text{SrI}_2$	165	178	192	218	270	383
Strontium molybdate	$\text{SrMoO}_4$		0.01107				
Strontium nitrate	$\text{Sr}(\text{NO}_3)_2$	39.5	69.5	89.4	93.4	96.9	
Strontium selenate	$\text{SrSeO}_4$		0.656				
Strontium sulfate	$\text{SrSO}_4$	0.0113	0.0132	0.0141	0.0131	0.0116	
Strontium thiosulfate	$\text{SrS}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$						
Strontium tungstate	$\text{SrWO}_4$		0.00039				
Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$	181.9	201.9	235.6	288.8	365.1	476.0

Sulfur dioxide                      SO<sub>2</sub>                                      9.4

## T

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Terbium bromate	Tb(BrO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	66.4	117	198			
Terbium sulfate	Tb <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·8H <sub>2</sub> O		3.56				
Thallium(I) azide	TlN <sub>3</sub>	0.171	0.364				
Thallium(I) bromate	TlBrO <sub>3</sub>		0.306				
Thallium(I) bromide	TlBr	0.022	0.048	0.097	0.117		
Thallium(I) carbonate	Tl <sub>2</sub> CO <sub>3</sub>		5.3				
Thallium(I) chlorate	TlClO <sub>3</sub>	2	3.92	12.7		36.6	57.3
Thallium(I) cyanide	TlCN		16.8				
Thallium(I) fluoride	TlF		78				
Thallium(I) hydrogen carbonate	TlHCO <sub>3</sub>		500				
Thallium(I) hydroxide	TlOH	25.4	35	49.4	73.3	106	150
Thallium(I) iodate	TlIO <sub>3</sub>		0.06678				
Thallium(I) iodide	TlI	0.002	0.006	0.015	0.035	0.07	0.12
Thallium(I) nitrate	TlNO <sub>3</sub>	3.9	9.55	21	46.1	110	414
Thallium(I) oxalate	Tl <sub>2</sub> C <sub>2</sub> O <sub>4</sub>		1.83				
Thallium(I) perchlorate	TlClO <sub>4</sub>	6	13.1	28.3	50.8	81.5	
Thallium(I) phosphate	Tl <sub>3</sub> PO <sub>4</sub>		0.15				
Thallium(I) pyrophosphate	Tl <sub>4</sub> P <sub>2</sub> O <sub>7</sub>		40				
Thallium(I) selenate	Tl <sub>2</sub> SeO <sub>4</sub>		2.8			8.5	10.8
Thallium(I) sulfate	Tl <sub>2</sub> SO <sub>4</sub>	2.73	4.87	7.53	11	14.6	18.4

Thallium(I) vanadate	$\text{TlVO}_3$	0.87					
Thorium(IV) fluoride	$\text{ThF}_4 \cdot 4\text{H}_2\text{O}$	0.914					
Thorium(IV) iodate	$\text{Th}(\text{IO}_3)_4$	0.03691					
Thorium(IV) nitrate	$\text{Th}(\text{NO}_3)_4$	186	191				
Thorium(IV) selenate	$\text{Th}(\text{SeO}_4)_2 \cdot 9\text{H}_2\text{O}$	0.65					
Thorium(IV) sulfate	$\text{Th}(\text{SO}_4)_2 \cdot 9\text{H}_2\text{O}$	0.74	1.38	3			
Tin(II) bromide	$\text{SnBr}_2$	85					
Tin(II) chloride	$\text{SnCl}_2$	84					
Tin(II) fluoride	$\text{SnF}_2$	30					
Tin(II) iodide	$\text{SnI}_2$	0.99	1.42	2.11	3.04	4.2	
Tin(II) sulfate	$\text{SnSO}_4$	18.9					
Trehalose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$	68.9					

## U

Substance	Formula	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
Uranyl acetate	$\text{UO}_2(\text{C}_2\text{H}_3\text{O}_2)_2 \cdot 2\text{H}_2\text{O}$		7.69				
Uranyl chloride	$\text{UO}_2\text{Cl}_2$		320				
Uranyl formate	$\text{UO}_2(\text{HCO}_2)_2 \cdot \text{H}_2\text{O}$		7.2				
Uranyl iodate	$\text{UO}_2(\text{IO}_3)_2 \cdot \text{H}_2\text{O}$		0.124				
Uranyl nitrate	$\text{UO}_2(\text{NO}_3)_2$	98	122	167	317	388	474
Uranyl oxalate	$\text{UO}_2\text{C}_2\text{O}_4$		0.5	0.8	1.22	1.94	3.16
Uranyl sulfate	$\text{UO}_2\text{SO}_4 \cdot 3\text{H}_2\text{O}$		21				
Urea	$\text{CO}(\text{NH}_2)_2$		108	167	251	400	733

**V**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Vanadium(V) oxide	$V_2O_5$		0.8				

**X**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Xenon	Xe	24.1ml	11.9ml <sup>25</sup>			7.12ml	
Xylose	$C_5H_{10}O_5$		117				

**Y**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Ytterbium(III) sulfate	$Yb_2(SO_4)_3$	44.2		17.2	10.4	6.4	4.7
Yttrium(III) acetate	$Y(C_2H_3O_2)_3 \cdot 4H_2O$		9.03				
Yttrium(III) bromate	$Y(BrO_3)_3 \cdot 9H_2O$		168				
Yttrium(III) bromide	$YBr_3$	63.9	75.1	87.3	101	116	
Yttrium(III) chloride	$YCl_3$	77.3	78.8	80.8			
Yttrium(III) fluoride	$YF_3$		0.00576				
Yttrium(III) nitrate	$Y(NO_3)_3$	93.1	123	163	200		
Yttrium(III) sulfate	$Y_2(SO_4)_3$	8.05	7.3	6.09	4.44	2.89	

**Z**

<b>Substance</b>	<b>Formula</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>	<b>100 °C</b>
Zinc acetate	Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>		30				
Zinc bromide	ZnBr <sub>2</sub>	389	446	591	618	645	672
Zinc carbonate	ZnCO <sub>3</sub>		0.00004				
Zinc chlorate	Zn(ClO <sub>3</sub> ) <sub>2</sub>	145	209				
Zinc chloride	ZnCl <sub>2</sub>	342	395	452	488	541	614
Zinc cyanide	Zn(CN) <sub>2</sub>		0.058				
Zinc fluoride	ZnF <sub>2</sub>		1.6				
Zinc formate	Zn(HCO <sub>2</sub> ) <sub>2</sub>	3.7	6.1			28.8	
Zinc iodate	Zn(IO <sub>3</sub> ) <sub>2</sub> .2H <sub>2</sub> O		0.07749				
Zinc iodide	ZnI <sub>2</sub>	430	432	445	467	490	510
Zinc nitrate	Zn(NO <sub>3</sub> ) <sub>2</sub>	98		211			
Zinc oxalate	ZnC <sub>2</sub> O <sub>4</sub> .2H <sub>2</sub> O		1.3				
Zinc permanganate	Zn(MnO <sub>4</sub> ) <sub>2</sub>		33.3				
Zinc sulfate	ZnSO <sub>4</sub>	41.6	53.8	70.5	75.4	71.1	60.5
Zinc sulfite	ZnSO <sub>3</sub> .2H <sub>2</sub> O		0.16				
Zinc tartrate	ZnC <sub>4</sub> H <sub>4</sub> O <sub>6</sub>		0.022	0.06	0.104	0.59	
Zirconium fluoride	ZrF <sub>4</sub>		1.32				
Zirconium sulfate	Zr(SO <sub>4</sub> ) <sub>2</sub> .4H <sub>2</sub> O		52.5				