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SC-R-65-930 V.2

November 1966

DATA CUMULATION

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PHYSICAL PROPERTIES OF FUSED
SALT MIXTURES (VOL 2)

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SC-R-65-930, V.2

PHYSICAL PROPERTIES OF FUSED SALT MIXTURES
EUTECTIC COMPOSITIONS AND MELTING POINTS

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November 15, 1966

Data from Open Literature, 1963-June 30, 1965

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FOREWORD

The present work is a continuation of "Physical Properties of Fused Salt Mixtures," SC-R-65-930, Vol. 1, in which eutectic melting point data from the literature, 1907-1963, were compiled. The present work includes additional data from that period and advances the date of coverage to June 30, 1965.

The same data format has been employed as in the original work. Some irritating faults have been corrected. Those cases in which a minimum melting point was found in a series of solid solutions are included in this work, e.g., KCl-NaCl. All reported cases have been taken from the original papers (or translations) so that no indication of re-calculation is deemed necessary for reporting the concentrations in mole percent. In cases where varying concentrations or melting points were reported and not resolved, each separate case is recorded with the corresponding reference.

The references from volume one are repeated and the index is cumulative, therefore, beginning with page 191 both the References Cited and the Index of volume one should be discarded. This change allows us to page the data consecutively from volume one to volume two and relegate the references and index to separately paged appendices.

We solicit cooperation in the compilation of fused salts data from researchers in the field and encourage users of the data to submit corrected values to us. Our data base is current and we will be glad to answer questions about references we may have which are not presented here because of publication lag time.

Within our laboratory we are especially appreciative of the work and counsel of R. P. Clark and M. M. Karnowsky. In preparation of other physical data compilations we appreciate the statistical analyses of C. R. Clark, the programs written for data reduction by H. E. Anderson, and the uniterm index program by D. M. Fuller.

EUTECTIC MELTING POINTS ARRANGED IN SYSTEM ORDER

SYSTEM ORDER

Group	V. 1 Page	V. 2 Page	Group	V. 1 Page	V. 2 Page
Cesium chloride-Chloride	3	193	Nitrate-Nitrate	68	225
Potassium chloride-Chloride	6	194	Nitrate-Sulfate	71	
Lithium chloride-Chloride	12	197	Nitrate-Others	72	226
Sodium chloride-Chloride	14	198	Sulfate-Sulfate	73	228
Rubidium chloride-Chloride	18	199	Sulfate-Others	76	229
Chloride-Chloride(Nonalkali)	19	200	Oxide-Oxide	79	230
Chloride-Fluoride	23	202	Oxide-Others	89	236
Chloride-Bromide	26	204	Silicate-Silicate	91	237
Chloride-Iodide	27	205	Silicate-Others	92	238
Chloride-Nitrate	28	206	Phosphate-Phosphate	93	239
Chloride-Sulfate	29	207	Phosphate-Others		240
Chloride-Others	32	208	Sulfide-Sulfide	94	241
Cesium fluoride-Fluoride	37	210	Nitrite-Nitrite	95	242
Potassium fluoride-Fluoride	38	211	Nitrite-Others		243
Lithium fluoride-Fluoride	41	212	Chromate-Chromate	96	244
Sodium fluoride-Fluoride	43	213	Chromate-Others	97	245
Rubidium fluoride-Fluoride	45	214	Borate-Borate		246
Fluoride-Fluoride(Nonalkali)	46	215	Borate-Others	98	
Fluoride-Bromide	47	216	Molybdate-Molybdate	99	247
Fluoride-Iodide	48		Molybdate-Others	100	247
Fluoride-Nitrate	49		Carbonate-Carbonate	101	248
Fluoride-Sulfate	50		Carbonate-Others	102	249
Fluoride-Others	52	217	Tungstate-Tungstate	103	250
Bromide-Bromide	58	218	Tungstate-Others	104	
Bromide-Iodide	61	220	Cyanide-Cyanide	105	
Bromide-Nitrate	62	221	Thiocyanate-Thiocyanate	106	
Bromide-Sulfate	63	221	Titanate-Titanate	107	251
Bromide-Others	64	222	Titanate-Others	108	
Iodide-Iodide	65	223	Perchlorate-Perchlorate	109	252
Iodide-Sulfate	66		Acetate-Acetate		253
Iodide-Others	67	224	All Others	110	254

Group: Cesium Chloride-Chloride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CdCl}_2\text{-CsCl}$	21.9	470	4007
$\text{CdCl}_2\text{-CsCl}$	36	458	4007
$\text{CdCl}_2\text{-CsCl}$	71	488	4007
$\text{CdCl}_2\text{-CsCl-PbCl}_2$	46.7-13.1-40.2	362	4355
$\text{CdCl}_2\text{-CsCl-PbCl}_2$	20.2-69.3-10.5	418	4355
$\text{CrCl}_3\text{-CsCl}$	5.5	623	4020
$\text{CrCl}_3\text{-CsCl}$	53	805	4020
$\text{CrCl}_3\text{-CsCl}$	29	816	4020
CsCl-GaCl_3	3	55	4254
CsCl-GaCl_3	58	378	4254
CsCl-NaCl	66	493	4023, 4098
CsCl-NaCl-PbCl_2	14.9-19.8-65.3	370	4098
CsCl-NaCl-PbCl_2	59.3-17.3-23.4	422	4098
CsCl-PbCl_2	56	422	4356
CsCl-PbCl_2	18.2	445	4098
CsCl-PbCl_2	71.8	476	4356
CsCl-PbCl_2	70.5	488	4098
CsCl-PbCl_2	54.5	493	4098
CsCl-SbCl_3	7.5	68	4388
CsCl-SbCl_3	67.5	510	4388
CsCl-SbCl_3	82.5	520	4388
CsCl-ScCl_3	56.5	569	4154
CsCl-ScCl_3	6.5	613	4154
CsCl-SmCl_3	55	510	4248
CsCl-SmCl_3	15	577	4248
CsCl-SmCl_3	92	600	4248
CsCl-SnCl_2	17	174	4016
CsCl-SnCl_2	63	350	4016
CsCl-TaCl_3	54	273	4257
CsCl-TaCl_3	80	556	4257
CsCl-TaCl_4	52	255	4244
CsCl-TaCl_4	90	592	4244
CsCl-WCl_5	~2	275	4292
CsCl-WCl_5	89	568	4292

Group: Potassium Chloride-Chloride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlCl}_3\text{-HfCl}_4\text{-KCl}$	68.8-3.8-27.4	75	4377
$\text{AlCl}_3\text{-HfCl}_4\text{-KCl}$	22.5-46.2-31.3	195	4377
$\text{AlCl}_3\text{-HfCl}_4\text{-KCl}$	48-1-51	239	4377
$\text{AlCl}_3\text{-KCl-NaCl}$	50-15-35	125	4022
$\text{AlCl}_3\text{-KCl-NbCl}_5$	29-50-21	211	4022
$\text{AlCl}_3\text{-KCl-TaCl}_5$	29-50-21	207	4022
$\text{BaCl}_2\text{-CaCl}_2\text{-KCl}$	14-28.1-57.9	535	4358
$\text{BaCl}_2\text{-CaCl}_2\text{-KCl}$	12.7-20.7-66.6	549	4358
$\text{BaCl}_2\text{-CaCl}_2\text{-KCl}$	22.1-20.7-57.1	551	4358
$\text{BaCl}_2\text{-CdCl}_2\text{-KCl-LiCl-NaCl}$	11.4-52.7-17.9-9.4-8.6	342±1	4136
$\text{BaCl}_2\text{-KCl}$	43.4	646	4358
$\text{BaCl}_2\text{-KCl}$	47	650	4028
$\text{BaCl}_2\text{-KCl}$	26.9	657	4358
$\text{BaCl}_2\text{-KCl}$	25	658	4028
$\text{BaCl}_2\text{-KCl-LiCl}$	5.43-40.92-53.65	320	4421
$\text{BaCl}_2\text{-KCl-MgCl}_2\text{-NaCl}$	8.7-52.3-18.2-20.7	475	4181
$\text{BaCl}_2\text{-KCl-MgCl}_2\text{-NaCl}$	15.5-43.3-9.7-31.5	550	4181
$\text{CaCl}_2\text{-KCl}$	26.6	600	4319
$\text{CaCl}_2\text{-KCl}$	72.4	640	4319
$\text{CaCl}_2\text{-KCl-MgCl}_2\text{-NaCl}$	41.6-2.2-8.8-47.4	460	4181
$\text{CaCl}_2\text{-KCl-NaCl-PbCl}_2$	18.1-5.8-23.3-52.8	371±1	4136
$\text{CdCl}_2\text{-KCl-LiCl}$	22.7-46.6-30.7	324	4070
$\text{CdCl}_2\text{-KCl-LiCl}$	2.6-42-55.4	337	4070
$\text{CdCl}_2\text{-KCl-LiCl}$	11.7-44.7-43.6	347	4070
$\text{CdCl}_2\text{-KCl-LiCl}$	37.9-28.9-33.1	360	4070
$\text{CdCl}_2\text{-KCl-LiCl}$	13.6-18.2-68.2	387	4070
$\text{CdCl}_2\text{-KCl-NaCl}$	59.6-22.2-18.2	355±1	4136
$\text{CdCl}_2\text{-KCl-PbCl}_2$	~43-22-34.8	320	4402
$\text{CdCl}_2\text{-KCl-PbCl}_2$	~20.7-52-27.3	332	4402
$\text{CdCl}_2\text{-KCl-PbCl}_2$	~26.6-33.6-39.7	333	4402
$\text{CdCl}_2\text{-KCl-PbCl}_2$	~25.2-53.1-21-3	340	4402
$\text{CrCl}_2\text{-KCl}$	41.5	462	4432
$\text{CrCl}_2\text{-KCl}$	33.3	470	4432
$\text{CrCl}_2\text{-KCl}$	60	474	4432
$\text{CrCl}_3\text{-KCl}$	11.5	700	4216
$\text{CrCl}_3\text{-KCl}$	10.7	700	4363
$\text{CrCl}_3\text{-KCl}$	46	780	4216
$\text{CrCl}_3\text{-KCl}$	34.3	783	4216

Group: Potassium Chloride-Chloride (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CrCl}_3\text{-KCl}$	46.4	795	4363
$\text{CrCl}_3\text{-KCl-NaCl}$	33.6-5-61.4	548	4363
$\text{CrCl}_3\text{-KCl-NaCl}$	23-5-72	570	4363
$\text{CrCl}_3\text{-KCl-NaCl}$	6.6-47.8-45.6	604	4363
$\text{DyCl}_3\text{-KCl}$	50	415	4286
$\text{DyCl}_3\text{-KCl}$	88.5	510	4286
$\text{DyCl}_3\text{-KCl}$	15	685	4286
$\text{GaCl}_3\text{-KCl}$	84	65	4254
$\text{GaCl}_3\text{-KCl}$	64	98	4254
$\text{GaCl}_3\text{-KCl}$	49	210	4254
$\text{GdCl}_3\text{-KCl}$	55	494	4286
$\text{GdCl}_3\text{-KCl}$	85	540	4286
$\text{GdCl}_3\text{-KCl}$	8	686	4286
$\text{InCl}_3\text{-KCl}$	47.5	316	4224
KCl-LiCl	42	348	4028
KCl-LiCl	43	352	4035
KCl-LiCl	42	352	4128
KCl-LiCl	42.5	354	4105
KCl-LiCl	42	354	4018
KCl-LiCl	42	354	4029,4075
KCl-LiCl-NaCl	38-8.5-53.5	348	4029
KCl-LiCl-PbCl_2	39.2-33.6-27.1	320	4076
KCl-LiCl-PbCl_2	43.2-42.6-14.2	321	4076
KCl-LiCl-PbCl_2	18.6-26.3-55	354	4076
KCl-MgCl_2	66.6	425	4378b
KCl-MgCl_2	66	430	4335
KCl-MgCl_2	42	467	4378b
KCl-MgCl_2	48.5	470	4335
$\text{KCl-MgCl}_2\text{-NaCl}$	20-50-30	396	4118
$\text{KCl-MgCl}_2\text{-YCl}_3$	67.5-30-2.5	400	4409
$\text{KCl-MgCl}_2\text{-YCl}_3$	47-28-25	402	4409
$\text{KCl-MgCl}_2\text{-YCl}_3$	42.5-37.5-20	408	4409
$\text{KCl-MgCl}_2\text{-YCl}_3$	59-38-3	441	4409
$\text{KCl-MgCl}_2\text{-ZrCl}_4$	36.5-3.5-60	216	4378
$\text{KCl-MgCl}_2\text{-ZrCl}_4$	45.5-52.7-1.8	455	4378
$\text{KCl-MgCl}_2\text{-ZrCl}_4$	68.6-18.6-12.8	482	4378
KCl-MnCl_2	66	428	4320
KCl-MnCl_2	36	449	4320

Group: Potassium Chloride-Chloride (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
KCl-NaCl	50	658	4026, 4029
KCl-NaCl	48.5	658	4106
KCl-NaCl-NbCl ₅	22-28-50	190	40222
KCl-NaCl-NbCl ₅	49-2-49	390	43711
KCl-NaCl-PbCl ₂	35-17-48	399	43431
KCl-NaCl-TaCl ₃	60.2-10-29.8	516	4267
KCl-NaCl-TaCl ₅	20-30-50	180	4022
KCl-NbCl ₅ -ZrCl ₄	17-44-39	158	4062
KCl-NbCl ₅ -ZrCl ₄	51-47-2	290	4062
KCl-SmCl ₂	65	553	4160
KCl-SmCl ₃	40	460	4248
KCl-SmCl ₃	44	482	4160
KCl-SmCl ₃	50	488	4014
KCl-SmCl ₃	25	490	4248
KCl-SmCl ₃	83	643	4160
KCl-SmCl ₃	83	644	4248
KCl-SmCl ₃	82	645	4014
KCl-SnCl ₂	52	176	4016
KCl-SnCl ₂	20	200	4016
KCl-TaCl ₃	50	230	4257
KCl-TaCl ₃	68	520	4257, 4267
KCl-TaCl ₄	49	215	4266
KCl-ThCl ₄	48	432	4289
KCl-ThCl ₄	82	622	4289
KCl-VCl ₃	48	580	4104
KCl-VCl ₃	87	676	4104
KCl-YCl ₃	50	430	4036
KCl-YCl ₃	56	436	4409
KCl-YCl ₃	83	671	4409
KCl-YCl ₃	87	675	4036
KCl-YbCl ₂	27	558	4160
KCl-YbCl ₂	67	560	4160
KCl-YbCl ₃	55	423	4160
KCl-YbCl ₃	85	665	4160

Group: Lithium Chloride-Chloride

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaCl ₂ -LiCl	34.9	510	4015a
BaCl ₂ -LiCl	25	512	4095
BaCl ₂ -LiCl-NaCl	19.7-61.7-19.6	490	4095
CdCl ₂ -LiCl	63-64	500	4434
CdCl ₂ -LiCl	60	500	4055
CdCl ₂ -LiCl-PbCl ₂	31.4-18.2-50.5	321	4055
CrCl ₃ -LiCl	13	538	4216
GaCl ₃ -LiCl	82	57	4254
LiCl-NaCl	75	548	4095
LiCl-NaCl	75.5	551	4029
LiCl-NaCl	76	551	4021
LiCl-NaCl	77.5	557	4029
LiCl-PbCl ₂	36	406	4017, 4075
LiCl-ThCl	65	417	4289

Group: Sodium Chloride-Chloride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlCl}_3\text{-HfCl}_4\text{-NaCl}$	60.5-1.6-38	76	4377
$\text{AlCl}_3\text{-HfCl}_4\text{-NaCl}$	46.5-4-49.5	130	4377
$\text{AlCl}_3\text{-HfCl}_4\text{-NaCl}$	46.5-2-51.5	137	4377
$\text{AlCl}_3\text{-MoCl}_5\text{-NaCl}$	63-4-33	70 $\pm$ 3	4110
$\text{AlCl}_3\text{-MoCl}_5\text{-NaCl}$	47-3-50	138 $\pm$ 2	4110
$\text{AlCl}_3\text{-MoCl}_5\text{-NaCl}$	48.5-3-48.5	140 $\pm$ 2	4110
$\text{AlCl}_3\text{-NaCl-WCl}_6$	58-40-2	90 $\pm$ 2	4359
$\text{AlCl}_3\text{-NaCl-WCl}_6$	48-50-2	130 $\pm$ 3	4359
$\text{BaCl}_2\text{-CaCl}_2\text{-NaCl}$	17-47-36	454	4344
$\text{BaCl}_2\text{-MgCl}_2\text{-NaCl}$	13.8-39.9-46.2	418	4202, 4357
$\text{BaCl}_2\text{-NaCl}$	36.8	442	4202
$\text{BaCl}_2\text{-NaCl}$	39.8	648	4012
$\text{BaCl}_2\text{-NaCl}$	39.9	654	4095
$\text{CaCl}_2\text{-NaCl-YCl}_3$	5-51-44	395	4409
$\text{CrCl}_3\text{-NaCl}$	31.4	570	4363
$\text{CrCl}_3\text{-NaCl}$	31	582	4216
$\text{CrCl}_3\text{-NaCl}$	21.2	593	4363
$\text{CrCl}_3\text{-NaCl}$	21.5	593	4216
$\text{CeCl}_3\text{-NaCl-SnCl}_2$	2-22-76	184	4010
$\text{DyCl}_3\text{-NaCl}$	55	378	4286
$\text{FeCl}_3\text{-NaCl-WCl}_6$	48-48-4	144 $\pm$ 2	4359
$\text{GaCl}_3\text{-NaCl}$	97	62	4103
$\text{GdCl}_3\text{-NaCl}$	60	396	4286
$\text{InCl}_3\text{-NaCl}$	49	272	4038
$\text{InCl}_3\text{-NaCl}$	78	316	4038a
$\text{InCl}_3\text{-NaCl}$	39	730	4038a
$\text{MgCl}_2\text{-NaCl}$	43.8	442	4357
NaCl-PbCl_2	28.3	410	4098
NaCl-ScCl_3	62	480	4187
NaCl-SmCl_3	51	390	4248
NaCl-SnCl_2	28	186	4010
NaCl-TaCl_3	55	220	4257
NaCl-TaCl_4	55	270	4266
NaCl-ThCl_4	72	366	4289
NaCl-ThCl_4	56	397	4289
NaCl-VC1_3	63	508	4104
NaCl-YCl_3	45	360	4036
NaCl-YCl_3	55	425	4409

Group: Rubidium Chloride-Chloride

System	Composition mol %	Eutectic M.P., °C	Reference No.
CrCl ₂ -RbCl	24.5	523	4432
CrCl ₂ -RbCl	65.8	525	4432
CrCl ₂ -RbCl	36.8	545	4432
CrCl ₃ -RbCl	8	681	4020
CrCl ₃ -RbCl	49.8	821	4020
CrCl ₃ -RbCl	30.7	832	4020
MnCl ₂ -RbCl	29	436	4320
MnCl ₂ -RbCl	33	454	4320
MnCl ₂ -RbCl	69	460	4320
RbCl-SbCl ₃	15	44	4388
RbCl-SmCl ₃	55	464	4248
RbCl-SmCl ₃	21	560	4248
RbCl-SmCl ₃	89	630	4248
RbCl-SnCl ₂	18	198	4016
RbCl-SnCl ₂	44	200	4016
RbCl-TaCl ₃	>55	300	4257
RbCl-TaCl ₃	80	592	4257
RbCl-TaCl ₄	~53	~284	4244
RbCl-TaCl ₄	82	617	4244
RbCl-VCl ₃	46	560	4104
RbCl-VCl ₃	89	655	4104
RbCl-VCl ₃	62	682	4104
RbCl-WCl ₅	~1.5-2	~244	4292
RbCl-WCl ₅	88	590	4292

Group: Chloride-Chloride (Non-Alkali)

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlCl}_3\text{-BeCl}_2$	48	~95	4302
$\text{AlCl}_3\text{-FeCl}_3\text{-MoCl}_5$	Not reported	88	4094
$\text{AlCl}_3\text{-FeCl}_3\text{-MoCl}_5$	Not reported	121	4094
$\text{AlCl}_3\text{-HfCl}_4$	98	122	4377
$\text{AlCl}_3\text{-TiCl}_4$	70.5	160	4412
$\text{AlCl}_3\text{-TiCl}_4$	40.6	248	4412
AgCl-CuCl	45.7	252	4033
AgCl-CuCl	48.9	258	4033
AgCl-GaCl_3	6.1	76	4103
AgCl-InCl_3	~40	372	4224
AgCl-TlCl	~56.1	218	4259
$\text{BaCl}_2\text{-CaCl}_2$	37	597	4358
$\text{BaCl}_2\text{-MgCl}_2$	43.25	558	4357, 4202
$\text{BiCl}_3\text{-ZnCl}_2$	89.1	215	4179, 4180
$\text{CaCl}_2\text{-PuCl}_3$	57	610	4306
$\text{CaCl}_2\text{-SrCl}_2$	65	656	1537
$\text{CaCl}_2\text{-YCl}_3$	50	527	4409
$\text{CeCl}_3\text{-FeCl}_2$	35	607	4010
$\text{CeCl}_3\text{-FeCl}_2\text{-SnCl}_2$	2-6-92	226	4010
$\text{CeCl}_3\text{-SnCl}_2$	2.5	240	4010
$\text{CdCl}_2\text{-GaCl}_3$	~5	52	4255
$\text{CdCl}_2\text{-PbCl}_2$	37	370	4055
$\text{CdCl}_2\text{-ZnCl}_2$	>99	262	4180, 4179
$\text{CoCl}_2\text{-NiCl}_2$	93	680	4284
CuCl-GaCl_3	5.2	60	4103
CuCl-InCl_3	10	365	4224
CuCl-NbCl_5	<23.3	205	4084
CuCl-TaCl_5	<28.3	215	4084
$\text{FeCl}_2\text{-LaCl}_3$	72.3	620	4010
$\text{FeCl}_2\text{-LaCl}_3\text{-SnCl}_2$	6-2-92	223	4010
$\text{FeCl}_2\text{-SnCl}_2$	6	230	4010
$\text{FeCl}_2\text{-YCl}_3$	41.5	540	4409
$\text{GaCl}_3\text{-HgCl}_2$	92	55	4255
$\text{GaCl}_3\text{-HgCl}_2$	60	72	4255
$\text{GaCl}_3\text{-InCl}_3$	~98.7	~75	4297
$\text{GaCl}_3\text{-NH}_4\text{Cl}$	~85	58	4254
$\text{GaCl}_3\text{-NH}_4\text{Cl}$	~35	222	4254
$\text{GaCl}_3\text{-TiCl}_4$	32	290	4254

Group: Chloride-Chloride (Non-Alkali) (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
GaCl ₃ -ZnCl ₂	~68	30	4255
HgCl ₂ -PbCl ₂	9.5	474	4315
InCl ₃ -ZnCl ₂	57.6	145	4179
InCl ₃ -TlCl	48	260	4061
InCl ₃ -TlCl	50	292	4224
InCl ₃ -TlCl	6.4	390	4061
InCl ₃ -TlCl	8	400	4224
LaCl ₃ -SnCl ₂	2.3	237	4010
MgCl ₂ -YCl ₃	40	570	4409
MgCl ₂ -ZrCl ₄	3.45	426	4378a
MnCl ₂ -TlCl	21.5	328	4320
MnCl ₂ -TlCl	62	460	4320
NH ₄ Cl-SnCl ₂	19	172	4016
NH ₄ Cl-SnCl ₂	42	173	4016
NH ₄ Cl-SnCl ₂	20	183	4164
NH ₄ Cl-SnCl ₂	40	186	4164
NH ₄ Cl-SnCl ₂	56	200	4016
NH ₄ Cl-TaCl ₅	~4	214	4280
NH ₄ Cl-TaCl ₅	70	243	4280
NH ₄ Cl-ZnCl ₂	48.5	180	4180, 4179
NH ₄ Cl-ZnCl ₂	27	228	4180, 4179
PbCl ₂ -ZnCl ₂	9.1	261	4179
SnCl ₂ -TaCl ₅	69.5	154	4112
SnCl ₂ -TaCl ₅	11.1	208	4112
SnCl ₂ -YCl ₃	89.6	244	4409
SnCl ₂ -ZnCl ₂	58.2	180	4179
TlCl-TlCl ₃	74.4	366	4298
TlCl-ZnCl ₂	41.8	193	4179

Group: Chloride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaCl ₂ -CaCl ₂ -CaF ₂ -NaF	30-37-7-26	535	4117
BaCl ₂ -CaCl ₂ -CaF ₂ -NaF	29.5-36.6-7.1-26.7	538	4117
BaCl ₂ -BaF ₂ -CaF ₂ -NaF	20.4-20.4-10.5-48.6	648	4117
BaCl ₂ -BaF ₂ -CaF ₂ -NaF	27.2-27.2-8.7-37	712	4117
BaCl ₂ -BaF ₂ -KCl-NaCl	27.7-1-36.4-34.9	517	4422
BaCl ₂ -CaCl ₂ -CaF ₂ -KCl	21.1-62.7-7.1-9.2	511	4065
BaCl ₂ -CaF ₂	77	791	4012
BaF ₂ -CaF ₂ -KCl	7-.8-92.2	710	4065
BaF ₂ -CaF ₂ -NaCl	41.9-5.15-53	630	4012
BaF ₂ -KCl	7.5	739	4066
BaF ₂ -KCl-KF-NaF	16.3-2.3-46.6-34.8	540	4422
BaF ₂ -KCl-KF-NaF	7.7-47.4-30.6-14.2	562	4422
BaF ₂ -KCl-NaCl-NaF	7.9-21.4-57.7-13	578	4422
BaF ₂ -LiF-NaCl	16.3-36-47.7	634	4370
BaF ₂ -LiF-NaCl	15.6-19.6-64.7	664	4370
BaF ₂ -LiF-NaCl	42.8-25.7-31.4	716	4370
BaFCl-LiF-NaCl	14.9-37.9-47.1	648	4411
CaF ₂ -KCl	.9	754	4065
CaF ₂ -KCl	1.26	754	4035
CaF ₂ -KCl-LiF	1.26-79.5-19.24	692	4035
CaF ₂ -KCl-NaF	.5-74.4-25.1	635	4361
CaF ₂ -LiCl	17.6	492	4035
CaF ₂ -NaCl	4.7	770	4012
K ₃ AlF ₆ -KCl	8.7	717	4026
K ₃ AlF ₆ -KCl-KF	.7-44.6-54.7	584	4423
K ₃ AlF ₆ -KCl-NaCl	3.7-40.5-55.8	625	4423
K ₃ AlF ₆ -Na ₃ AlF ₆ -NaCl	9.2-21.9-68.9	840	4423
KCl-KF	55	606	4105
KCl-KF-K ₂ TaF ₇	51.5-41.5-7	580	4068
KCl-KF-K ₂ TaF ₇	8.7-11.6-79.7	710	4068
KCl-KF-LiF	6.5-47.5-46	468	4105
KCl-KF-NaCl-ZrF ₄	24.2-38.6-24.2-12.9	630	4177
KCl-KF-NaF	46.5-39.5-14	570	4423
KCl-K ₂ NaAlF ₆ -KF-NaF	48.4-.64-41.6-9.3	562	4423
KCl-K ₂ TaF ₇	82.4	700	4068
KCl-K ₂ TaF ₇	16	712	4068
KCl-K ₂ ZrF ₆	5	562	4177
KCl-K ₂ ZrF ₆	77	678	4177
KCl-K ₃ ZrF ₇	77	666	4177

Group: Chloride-Fluoride (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
KCl-LiCl-LiF	40.5-56-3.5	346	4105
KCl-LiF	80	708	4035
KCl-LiF	80	715	4301
KCl-LiF	81	710	4105, 4106
KCl-LiF-NaCl	37-13-50	604	4106
KCl-LiF-NaF	13-48-39	590	4106
KCl-NaCl-NaF	22.5-60.5-17	606	4423
KCl-NaF	73	648	4106
K ₂ TiF ₆ -NaCl	32.1	528	4404
K ₃ ZrF ₇ -KCl-NaCl	21-39.5-39.5	630	4177
K ₃ ZrF ₇ -NaCl	20	555	4177
LiCl-LiF	73.6	485	4309
LiCl-LiF	70	488	4098
LiCl-LiF	70	498	4105
LiCl-LiF	69.5	501	4301
LiCl-LiF-NaCl	63.5-19-17.5	464	4226
LiF-NaCl	40.5	668	4106
LiF-NaCl	41	670	4226
LiF-NaCl	41.5	680	4301
LiF-NaCl	43	684	4370a
LiF-NaCl-NaF	40-24-36	582	4226
Na ₃ AlF ₆ -NaCl	11	733	4026
Na ₃ AlF ₆ -NaCl	11	734	4420
Na ₃ AlF ₆ -NaCl-NaF	3.2-66-30.8	660	4423
NaCl-K ₂ ZrF ₆	32	492	4177

Group: Chloride-Bromide

System	Composition mol %	Eutectic M.P., °C	Reference No.
AgBr-AgCl	74.1	416	4107
AgBr-TlCl	61	2022	42599
AgCl-TlBr	60	190	42599
AlBr ₃ -SbCl ₃	14.5	54	43233
AlBr ₃ -SbCl ₃	75.8	59	43233
AlCl ₃ -HgBr ₂	42.2	599	4323
AlCl ₃ -KBr	65.5	1044	43233
AlCl ₃ -SbBr ₃	8.4	86	43233
BBr ₃ -GeCl ₄	40	-74	4107
BBr ₃ -SiCl ₄	26.4	-80	4187
CaF ₂ -KCl-LiCl	1.8-42.2-56	338	4035
CdBr ₂ -CsCl	68.1	361	4245
CdBr ₂ -CsCl	43.4	408	4245
CdBr ₂ -CsCl	31.6	410	4245
CdCl ₂ -CsBr	28.6	405	4245
CdCl ₂ -CsBr	73.9	411	4245
CdCl ₂ -CsBr	42.8	420	4245
CsBr-CsCl	57.5	613	4247
CsBr-CsCl	58.5	613	4245
CsCl-KBr	65	576	4247
KBr-KCl-LiBr-LiCl	28.5-9.5-46.5-15.5	310	4159
KBr-KCl-LiBr-LiCl	21.3-37.7-34.8-6.1	314	4159
KBr-KCl-LiBr-LiCl-NaBr-NaCl	29.7-5.2-49.3-8.7-5.9-1	310	4159
KBr-LiCl	39	360	4159
KBr-LiCl-NaCl	35-57.5-7.5	340	4159
KBr-LiCl-PbBr ₂	13.7-14.6-71.7	308	4227
KBr-LiCl-PbBr ₂	42.6-24-33.3	314	4227
KBr-LiCl-PbBr ₂	45.4-31.9-22.7	316	4227
KBr-NaCl	48.5	610	4159
KCl-KBr	40	716	4083
KCl-LiBr	39	327	4159
KCl-LiBr-NaBr	38-55-7	320	4159
KCl-NaBr	47.2	610	4159
LiBr-LiCl	58.1	521	4309
LiBr-LiCl	60	522	4081, 4097
LiBr-LiCl	59	522	4107
LiCl-TlBr	~23	392	4082
NaBr-NaCl	72	731	4021
TlBr-TlCl	40	423	4056, 4259

Group: Chloride-Iodide

System	Composition mol. %	Eutectic M.P., °C	Reference No.
CsCl-CsI	53	502	4247
CsCl-CsI-NaCl	~45.5-32.2-22.3	433	4247
CsCl-NaI	75	447	4247
CsCl-NaI	23	512	4247
CsI-NaCl	65	497	4247
CsI-NaCl-NaI	~47.5-7.2-45.3	420	4247
PbCl ₂ -PbI ₂	24	306	4180

Group: Chloride-Nitrate

System	Composition mol. %	Eutectic M.P., °C	Reference No.
Ba(NO ₃) ₂ -LiCl-LiNO ₃	4.6-15.4-80	230	4015
CsNO ₃ -TlCl	70.6	347	4426
KNO ₃ -TlCl	88.9	305.5	4426
NaCl-NaNO ₃	6.5	297	4349
NaNO ₃ -TlCl	91	281	4426

Group: Chloride-Sulfate

System	Composition mol %	Eutectic M.P., °C	Reference No.
CsCl-Cs ₂ SO ₄	41.3	580	4356
CsCl-Cs ₂ SO ₄ -PbCl ₂	4.9-45.8-49.3	420	4356
CsCl-Cs ₂ SO ₄ -PbCl ₂	57.6-13.2-29.2	433	4356
CsCl-PbCl ₂ -PbSO ₄	18.2-80.9-9	420	4356
CsCl-PbCl ₂ -PbSO ₄	41.3-42.1-16.7	530	4356
KCl-K ₂ SO ₄	74.6	688	4273
KCl-K ₂ SO ₄	70.9	690	4319
KCl-Na ₂ SO ₄	58.6	528	4274
KCl-Na ₂ SO ₄	41.3	602	4274
K ₂ SO ₄ -TlCl	2	423	4059
LiCl-Li ₂ SO ₄	64.4	484	4008
MgCl ₂ -MgSO ₄	80	667	4335
NaCl-BaSO ₄	88.9	741	4312
NaCl-CaSO ₄	81.6	720	4312
NaCl-CaSO ₄	79.8	725	4313
NaCl-SrSO ₄	86.4	738	4312
PbCl ₂ -PbSO ₄	4	478	4356

Group: Chloride-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
AgCl-Ag ₂ CrO ₄	59.6	354	4150
AgCl-Ag ₂ S	64.2	377	4215
AgCl-Li ₂ CrO ₄	99	424	4150
AlCl ₃ -POCl ₃	<3	-0.2	4414
AlCl ₃ -POCl ₃	62-63	114.4	4414
AlCl ₃ -POCl ₃	~41	164.4	4414
AlCl ₃ -POCl ₃ -TiCl ₄	8.5-65.3-26.2	95	4182
AlCl ₃ -POCl ₃ -TiCl ₄	7.5-50-42.5	97.8	4182
AlCl ₃ -POCl ₃ -TiCl ₄	7.5-51.9-40.6	98.2	4182
BaCl ₂ -Ba ₃ N ₂	77	806	4303
BaCl ₂ -Ba ₃ N ₂	19	860	4303
BaCl ₂ -BaWO ₄	85	~870	4417
CaCl ₂ -Ca ₃ N ₂	87	712	4431
CaCl ₂ -CaO	71.3	593	4444
CO(NH ₂) ₂ -NaCl	90	112	4349, 4763
CO(NH ₂) ₂ -NaCl-NaNO ₃	79-4-17	78	4349
CsAlCl ₄ -CsCl-Cs ₂ NbOCl ₅	75-10-15	312	4288
CsAlCl ₄ -Cs ₂ NbOCl ₅	79.5	320	4288
CsCl-Cs ₂ NbOCl ₅	40	510	4288
CsCl-NbOCl ₃	40	255	4291
CsCl-NbOCl ₃	~28	375	4178
CsCl-NbOCl ₃	70.9	505	4291
CsCl-NbOCl ₃	~82	550	4178
KA1Cl ₄ -K ₂ NbOCl ₅	86.8	214	4288
KA1Cl ₄ -KCl-K ₂ NbOCl ₅	75.4-11.5-13.1	205	4288
KCl-K ₂ CO ₃	61.6	632	4273
KCl-K ₂ CO ₃ -K ₂ SO ₄	63-31.1-58	622	4273
KCl-K ₂ Cr ₂ O ₇	25	368	4256
KCl-K ₂ MoO ₄	63	622	4283
KCl-K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇	87.2-2.8-10	645	4364
KCl-K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇	74.7-18.3-7	656	4364
KCl-K ₂ WO ₄	63.9	621	4283
KCl-LiCl-PbCrO ₄	36.3-50-13.6	277	4295
KCl-Na ₂ CO ₃	50.2	588	4274
KCl-Na ₂ CO ₃ -Na ₂ SO ₄	55.6-18.4-26	544	4274
KCl-Na ₂ SO ₄ -TlBr	7.53-.45-92.01	429	4385
KCl-NbOCl ₃	30	365	4291
KCl-NbOCl ₃	68.5	464	4291
KCl-PbCrO ₄	71.8	584	4295
KCl-PbCrO ₄	46.1	612	4295
KCl-PbCrO ₄	34.7	614	4295

Group: Chloride-Others (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
KCl-TeO ₂	23	604	4128
K ₂ TiF ₆ -NaCl-TiO ₂	39.1-54.9-5.9	528	4404
LiCl-Li ₂ CrO ₄	83	350	4150
LiCl-LiH	68	450	4253
LiCl-LiH	63	486	4252
LiCl-LiH	66	495.6	4004
LiCl-LiF-LiH	56-23-21	454	4252
LiCl-LiOH	42	268	4268
LiCl-LiOH	34.5	274	4268
LiCl-Li ₄ P ₂ O ₇	99.5	590	4364
LiCl-Li ₄ P ₂ O ₇	9.3	986	4364
LiCl-PbCrO ₄	72.6	388	4295
LiCl-TeO ₂	23.8	440	4128
LiCl-TeO ₂	84	552	4128
NaCl-Na ₂ WO ₄	19	637	1536, 4283
NaCl-Na ₂ WO ₄	64.4	662	1536, 4283
NaCl-RbNO ₃ -TlBr	17-79-4	135	4168
NbCl ₅ -POCl ₃ -TiCl ₄	3.75-92.5-3.75	-2.2	4212
NbCl ₅ -POCl ₃ -TiCl ₄	21.7-50-28.3	83.8	4212
NbCl ₅ -POCl ₃ -TiCl ₄	11.1-70-25.9	87.8	4212
NbCl ₅ -POCl ₃ -TiCl ₄	13.3-56.6-30.1	89	4212
NbCl ₅ -POCl ₃ -TiCl ₄	27.1-57.6-15.3	91.2	4212
NbOCl ₃ -RbCl	~62	~400	4178
NbOCl ₃ -RbCl	~48	~515	4178
NbOCl ₃ -RbCl	~23	~570	4178
PbCl ₂ -PbS	75	453	4073
PbCl ₂ -SnS	82.6	440	4074
POCl ₃ -TaCl ₅ -TiCl ₄	93.8-3.1-3.1	-1.7	4212
POCl ₃ -TaCl ₅ -TiCl ₄	50-21-29	86	4212
POCl ₃ -TaCl ₅ -TiCl ₄	54.5-9.1-36.4	92.4	4212
POCl ₃ -TaCl ₅ -TiCl ₄	64.2-7.5-28.3	96	4212
POCl ₃ -TaCl ₅ -TiCl ₄	56.3-31-12.7	102.6	4212
SnCl ₂ -SnS	97.2	240	4074
SrCl ₂ -Sr ₃ N ₂	87	720	4431
SrCl ₂ -Sr ₃ N ₂	11	980	4431

Group: Cesium Fluoride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
AlF ₃ -CsF	6	663	4429
CsF-LaF ₃	87.5	600	4429
CsF-LaF ₃	66	726	4429
CsF-YF ₃	96	673	4429
CsF-ZrF ₄	58	425	4219
CsF-ZrF ₄	45	465	4219
CsF-ZrF ₄	90	646	4219

Group: Potassium Fluoride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
AlF ₃ -KF	7	820	4429
BeF ₂ -KF	58	327	4455
BeF ₂ -KF	72	346	4455
BeF ₂ -KF	18	700	4455
CaF ₂ -KF	13.6	780	4030
CaF ₂ -KF	54.4	1058	4030
KBF ₄ -KF	10	410	4278
KBF ₄ -KF	76	441	4304
KF-K ₂ TaF ₇	21.5	717	6068
KF-K ₂ TaF ₇	74.5	727	6068
KF-K ₂ ZrF ₆	83	766	4177
KF-LaF ₃	87.5	620	4429
KF-LiF	50	487	4360
KF-LiF	50	492	4334
KF-LiF	50.5	492	4105
KF-NaF	60	710	4334
KF-NaF	60	716	4088
KF-NaF-ScF ₃	60-35-5	674	4474
KF-ScF ₃	93	816	4424
KF-ScF ₃	63	870	4424
KF-SrF ₂	78.1	744	4334
KF-YF ₃	88	756	4429
KF-YF ₃	58.5	764	4429
KF-ZrF ₄	~58	~420	4183
KF-ZrF ₄	~87	~765	4183
KF-ZrF ₄	87.3	766	4177

Group: Lithium Fluoride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlF}_3\text{-Li}_3\text{AlF}_6$	39.7	711	4390
$\text{AlF}_3\text{-LiF}$	35	715	4121
$\text{AlF}_3\text{-LiF}$	15	720	4121
$\text{AlF}_3\text{-LiF}$	17	706	4429
$\text{AlF}_3\text{-LiF-NaF}$	25-48.8-26.2	715	4122
$\text{AlF}_3\text{-Li}_3\text{AlF}_6\text{-Na}_3\text{AlF}_6$	54.6-27-18.3	607	4390
$\text{BaF}_2\text{-LiF}$	18.3	765	4370b
$\text{CaF}_2\text{-LiF}$	20.5	766	4035
$\text{LaF}_3\text{-LiF}$	21	770	4203
$\text{Li}_3\text{AlF}_6\text{-Na}_3\text{AlF}_6$	61.2	713	4390
LiF-NaF	61	652	4106
LiF-SrF_2	80	671	4334
LiF-YF_3	82	744	4429

Group: Sodium Fluoride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlF}_3\text{-NaF}$	46.5	665	4308
$\text{AlF}_3\text{-NaF}$	47	690	4121
$\text{AlF}_3\text{-NaF}$	14	836	4308
$\text{AlF}_3\text{-NaF}$	13	885	4121
$\text{AlF}_3\text{-NaF}$	13	886	4429
$\text{AlF}_3\text{-NaF}$	13.3	888	4188
$\text{BeF}_2\text{-NaF}$	64	340	4281
$\text{BeF}_2\text{-NaF}$	44	343	4281
$\text{BeF}_2\text{-NaF}$	30	580	4281
$\text{BeF}_2\text{-NaF-UF}_4$	43.5-56-.5	339	4039
$\text{BeF}_2\text{-NaF-UF}_4$	56-43.5-.5	345	4039
$\text{BeF}_2\text{-NaF-UF}_4$	17-72.5-10.5	486	4039
$\text{CaF}_2\text{-NaF}$	31.6	818	4030
$\text{LaF}_3\text{-NaF}$	27	808	4429
$\text{Na}_3\text{AlF}_6\text{-NaF}$	23.25	882	4420
$\text{NaBF}_4\text{-NaF}$	18.7	304	4278
NaF-ScF_3	62.5	700	4424
NaF-ScF_3	82	820	4424
NaF-SrF_2	73	856	4030
NaF-SrF_2	67.5	856	4027
NaF-SrF_2	73.4	856	4334
NaF-YF_3	68	700	4429
NaF-ZrF_4	58	503	4443
NaF-ZrF_4	52	510	4443
NaF-ZrF_4	80	745	4443

Group: Rubidium Fluoride-Fluoride

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AlF}_3\text{-RbF}$	7	740	4429
$\text{LaF}_3\text{-RbF}$	21	582	4429
RbF-YF_3	91	752	4429
RbF-YF_3	50	860	4429

Group: Fluoride-Fluoride (Non-Alkali)

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaF ₂ -CaF ₂	50	1022	4064
BeF ₂ -ZrF ₄	80.5	580	4054

Group: Fluoride-Bromide

System	Composition mol %	Eutectic M.P., °C	Reference No.
KBr-KF	60	576	4063a
KBr-NaF	77.8	640	4063
LiBr-LiF	70.7	453	4309
LiBr-LiF	75	448	4098
NaBr-NaF	73	642	4063a

Group: Fluoride-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
AlF ₃ -Al ₂ O ₃ -NaF	13.1-1.1-85.8	881	4188
AlF ₃ -Al ₂ O ₃ -NaF	23.6-5.7-70.7	961	4188
CaCO ₃ -CaF ₂	58.1	880	4186
CaCO ₃ -CaF ₂ -Ca(OH) ₂	29.7-20.1-50.2	575	4186
CaF ₂ -CaO	74.8	1360	4189
CaF ₂ -CaO-SiO ₂	41.9-38.1-19.9	1104	4189
CaF ₂ -CaO-SiO ₂	28.5-59.2-12.2	1106	4189
CaF ₂ -Ca(OH) ₂	30.9	670	4186
CaF ₂ -Ca ₂ SiO ₄ -CaO	55.8-26.5-17.7	1104	4189
CaF ₂ -Ca ₂ SiO ₄ -CaO	37.8-16.2-46	1106	4189
CaF ₂ -MgO	82	1350	4311
CeO ₂ -Na ₃ AlF ₆	5.5	880	4089
KBF ₄ -ZrO ₂	90	447	4194
KBF ₃ OH-KBF ₄	91.5	307	4304
KBF ₃ OH-KF	98.7	322	4304
KBr-K ₂ CO ₃ -KF	41.2-25-33.7	514	4063
KBr-K ₂ CO ₃ -NaF	39.7-32.5-27.8	518	4063
KBr-Na ₂ CO ₃ -NaF	41.7-43.9-14.4	560	4063
KBr-Na ₂ CO ₃ -NaF	53.2-34.4-12.4	566	4063
K ₂ CO ₃ -NaF	45.2	568	4063
KF-K ₄ P ₂ O ₇	78.7	710	4093
KF-K ₄ P ₂ O ₇ -LiF	43.6-3.4-53	477	4360
KF-K ₄ P ₂ O ₇ -NaF	33.6-17.5-48.8	600	4093
KF-K ₄ P ₂ O ₇ -NaF	13.8-24.1-62	612	4093
K ₂ TaF ₇ -Ta ₂ O ₅	83.5	580	4069
KF-K ₂ TaF ₇ -Ta ₂ O ₅	77.5-20.5-.2	718	4069
KF-Ta ₂ O ₅	99.76	853	4069
K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇ -NaF	16.5-16.6-66.8	520	4009
K ₄ P ₂ O ₇ -NaF	32.7	732	4009
K ₂ TiF ₆ -TiO ₂	83.9	649	4404
Li ₄ P ₂ O ₇ -NaF	16.4	620	4009
Na ₃ AlF ₆ -Nd ₂ O ₃	88	904	4089
Na ₃ AlF ₆ -Sm ₂ O ₃	98.8	963	4089
NaF-Na ₄ P ₂ O ₇	65.8	734	4092
NaF-Na ₂ TiO ₃	51.8	898	4333
NaF-RbF-Rb ₂ SO ₄	30.5-64.2-5.3	620	4282
ZnF ₂ -ZnS	~89	805±3	4145

Group: Bromide-Bromide

System	Composition mol %	Eutectic M.P., °C	Reference No.
AgBr-CuBr	58	350	4048
AgBr-TlBr	~62	226	4259
AlBr ₃ -AsBr ₃	26	25.5	4324
AlBr ₃ -Br ₂	21.4	-13.5	4324
AlBr ₃ -SnBr ₄	23	20	4324
AsBr ₃ -Br ₂	34	-31.5	4324
AsBr ₃ -PBr ₅	82.5	23.5	4324
AsBr ₃ -S ₂ Br ₂	13.5	-56	4324
AsBr ₃ -SnBr ₄	45	3.5	4324
BBr ₃ -GeBr ₄	80.9	-53	4187
BBr ₃ -SiBr ₄	76	-57.5	4187
BaBr ₂ -NaBr	42.8	596	4091
Br ₂ -SbBr ₃	81.8	-15.5	4324
CdBr ₂ -CsBr	61.9	373	4245, 4247
CdBr ₂ -CsBr	42.3	421	4247, 4245
CdBr ₂ -CsBr	25	442	4247, 4245
CdBr ₂ -KBr	36	297	4124
CdBr ₂ -KBr	37	300	4124
CdBr ₂ -KBr	38	304	4180
CdBr ₂ -KBr	54.5	345	4180
CdBr ₂ -NaBr	52	367	4124
CdBr ₂ -NaBr	47	367	4124
CsBr-KBr	57	564	4374
CsBr-KBr	65	586	4247
CsBr-LiBr	37.5	262	4374
CsBr-RbBr	85	594	4374
CsBr-SbBr ₃	85	520	4388
CsBr-TiBr ₂	87.5	580	4019
CsBr-TiBr ₂	35	843	4019
CsBr-TiBr ₃	90	584	4019
CsBr-TiBr ₃	27	593	4019
CsBr-TiBr ₃	73	658	4019
CsBr-TiBr ₄	<97	608	4019
KBr-LiBr	61.5	322.5	4206
KBr-LiBr	38	334	4013, 4018
KBr-LiBr-NaBr	35-57.5-7.5	324	4013
KBr-LiBr-PbBr ₂	43-40.7-16.3	278	4079
KBr-LiBr-PbBr ₂	43.6-30.8-25.6	282	4079

Group: Bromide-Bromide (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
KBr-LiBr-PbBr ₂	15-18.3-66.6	289	4079
KBr-NaBr	50	626	4013, 4063
KBr-PbBr ₂	17.3	330	4158
KBr-PbBr ₂	48.1	354	4158
LiBr-NaBr	83	507	4013
LiBr-NaBr	21	514	4206
LiBr-PbBr ₂	20.9	322	4017, 4077
LiBr-TlBr	41.5	342	4082
NaBr-RbBr	45	495	4383
PBr ₃ -SnBr ₄	84	-50	4324
RbBr-TiBr ₂	80	578	4019
RbBr-TiBr ₂	35	758	4019
RbBr-TiBr ₃	50	576	4019
RbBr-TiBr ₃	90	604	4019
RbBr-TiBr ₃	65	617	4019
RbBr-TiBr ₄	<97	636	4019
S ₂ Br ₂ -SnBr ₄	95.5	-47.5	4324
SbBr ₃ -SnBr ₄	6	27	4324

Group: Bromide-Iodide

System	Composition mol %	Eutectic M.P., °C	Reference No.
CdBr ₂ -CsI	45.5	315	4247
CdBr ₂ -CsI	64.6	329	4247
CdBr ₂ -CsI	26.2	385	4247
CdI ₂ -CsBr	56.9	173	4247
CdI ₂ -CsBr	25.8	397	4247
CsBr-CsI	52	578	4247
KBr-KI	50	589	4158
KBr-PbI ₂	47.3	298	4158
KBr-PbI ₂	27.6	306	4158
KI-PbBr ₂	44.9	309	4158
KI-PbBr ₂	13.1	320	4158
PbBr ₂ -PbI ₂	53	260	4158

Group: Bromide-Nitrate

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaBr ₂ -Ba(NO ₃) ₂	39	506	4091
CsNO ₃ -TlBr	85.2	380	4426
KNO ₃ -TlBr	97.2	328.5	4426

Group: Bromide-Sulfate

System	Composition mol %	Eutectic M.P., °C	Reference No.
Na ₂ SO ₄ -TlBr	.5	448	4058

Group: Bromide-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaBr ₂ -Ba ₃ N ₂	12.5	610	4303
BaBr ₂ -Ba ₃ N ₂	80	828	4303
Br ₂ -N ₂ O ₄	17	-18	4300
CaBr ₂ -Ca ₃ N ₂	90	615	4431
CO(NH ₂) ₂ -NaBr	79.5	66	4349,4763
KBr-K ₂ CO ₃	66.6	617	4063
LiBr-LiH	71	400	4253
NaBr-Na ₂ CO ₃	62.5	613	4063
NH ₃ -NH ₄ Br(NH ₃) ₄	93	-80	4430
SrBr ₂ -Sr ₃ N ₂	89	585	4431
SrBr ₂ -Sr ₃ N ₂	13	1000	4431

Group: Iodide-Iodide

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CdI}_2\text{-CsI}$	55.6	200	4247
$\text{CdI}_2\text{-CsI}$	29	410	4247
CsI-KI	55	516	4382
CsI-NaI	51.5	428	4247
CsI-RbI	65	566	4382
CuI-InI_3	5	170	4099
CuI-InI_3	92.5	500	4099
KI-NaI	40	580	4406
KI-PbI_2	31.9	321	4158
KI-PbI_2	52.9	358	4158
$\text{NaI-PbI}_2\text{-TlI}$	9.1-65.3-25.6	307	4379
$\text{NaI-PbI}_2\text{-TlI}$	5.5-43.9-48.9	327	4379
$\text{NaI-PbI}_2\text{-TlI}$	7.2-20.5-72.2	340	4379
NaI-RbI	50	475	4383
NaI-TlI	12.5	428	4379a

Group: Iodide-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
AgI-AgIO ₃ -AgNO ₃	47-18-35	76	4340
BaI ₂ -Ba ₃ N ₂	80	660	4303
BaI ₂ '-Ba ₃ N ₂	98	692	4303
CaI ₂ -Ca ₃ N ₂	85	638	4431
CO(NH ₂) ₂ -NaI	80.5	58	4349,4763
CO(NH ₂) ₂ -NaI-NaNO ₃	80-18-2	59	4349
CsNO ₃ -TlI	90.9	388	4426
NaCN-NaI	69.6	515	4350
NaI-NaNO ₃	14	296	4349
NaI-NaOH	19.4	224.5	4350
SrI ₂ -Sr ₃ N ₂	99.5	490	4431
SrI ₂ -Sr ₃ N ₂	75	560	4431
SrI ₂ -Sr ₃ N ₂	30	1050	4431

Group: Nitrate-Nitrate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{AgNO}_3\text{-LiNO}_3$	76	173	4127
$\text{Ba(NO}_3)_2\text{-KNO}_3$	12.7	287	4225b
$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2.6	252	4015b
$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2	244	4416
$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2.8	251	4225b
$\text{Ba(NO}_3)_2\text{-NaNO}_3$	6.4	294	4225b
$\text{Ba(NO}_3)_2\text{-NaNO}_3$	6.4	298	4090
$\text{Ca(NO}_3)_2\text{-NaNO}_3$	30.3	226	4113
$\text{Ca(NO}_3)_2\text{-NaNO}_3$	29.8	232	4102
$\text{Cd(NO}_3)_2\text{-NaNO}_3\text{-NH}_4\text{NO}_3$	44.1-.7-55.1	70	4270
$\text{Cd(NO}_3)_2\text{-NaNO}_3\text{-NH}_4\text{NO}_3$	33.6-2.4-64	71	4270
$\text{Cd(NO}_3)_2\text{-NH}_4\text{NO}_3$	23.5	74	4270
$\text{Cd(NO}_3)_2\text{-NaNO}_3$	52.9	135	4102
$\text{CsNO}_3\text{-LiNO}_3$	43	174	4325
$\text{CsNO}_3\text{-Pb(NO}_3)_2$	68	68	4325
$\text{KNO}_3\text{-LiNO}_3$	58.8	134	4127
$\text{KNO}_3\text{-LiNO}_3$	58.8	132	4307
$\text{KNO}_3\text{-LiNO}_3$	59	124	4115
$\text{KNO}_3\text{-LiNO}_3\text{-NaNO}_3$	44.5-37.5-18	120	4246
$\text{KNO}_3\text{-LiNO}_3\text{-NaNO}_3$	53-30-17	120	4180
$\text{KNO}_3\text{-NaNO}_3\text{-NH}_4\text{NO}_3$	7.5-18-74.5	115	4246
$\text{KNO}_3\text{-NH}_4\text{NO}_3$	21.3	156.7	4246
$\text{KNO}_3\text{-RbNO}_3$	30	291	4325
$\text{LiNO}_3\text{-NaNO}_3$	55	196	4114
$\text{LiNO}_3\text{-NaNO}_3$	54	193	4127
$\text{LiNO}_3\text{-RbNO}_3$	32	154	4325
$\text{LiNO}_3\text{-RbNO}_3$	66	179.5	4325
$\text{LiNO}_3\text{-TlNO}_3$	31	136.5	4127
$\text{NaNO}_3\text{-RbNO}_3$	44	178.5	4325
$\text{NaNO}_3\text{-NH}_4\text{NO}_3$	20.5	121	4246
$\text{RbNO}_3\text{-Sr(NO}_3)_2$	84.8	210	4167

Group: Nitrate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
AgIO ₃ -AgNO ₃	~26.1	~153	4340
Ba(NO ₂) ₂ -Ba(NO ₃) ₂	94	252	4418
Ba(NO ₂) ₂ -Ba(NO ₃) ₂ -LiNO ₂	15.2-4.2-80.6	168	4416
Ba(NO ₃) ₂ -CO(NH ₂) ₂	10.5	96	4225
Ba(NO ₃) ₂ -CO(NH ₂) ₂ -KNO ₃	5.5-86-8.5	80	4225
Ba(NO ₃) ₂ -CO(NH ₂) ₂ -LiNO ₃	1-83-16	68	4225
Ba(NO ₃) ₂ -CO(NH ₂) ₂ -LiNO ₃	1-55-44	92	4225
Ba(NO ₃) ₂ -CO(NH ₂) ₂ -NaNO ₃	4-78.5-17.5	68	4225
Ca(NO ₂) ₂ -Ca(NO ₃) ₂	94	393	4113
Ca(NO ₂) ₂ -Ca(NO ₃) ₂ -NaNO ₃	35.1-12.1-52.7	165	4113
Ca(NO ₂) ₂ -LiNO ₃	31.1	208	4296
Ca(NO ₂) ₂ -NaNO ₂ -NaNO ₃	26.6-32.9-40.5	154	4113
Ca(NO ₂) ₂ -NaNO ₃	36.8	180	4113
Ca(NO ₂) ₂ -RbNO ₃	19.7	170	4384
Ca(NO ₃) ₂ -LiNO ₂	8.1	202	4296
Ca(NO ₃) ₂ -LiNO ₂	33.3	213	4296
Ca(NO ₃) ₂ -LiNO ₂ -LiNO ₃	10.5-71.8-17.7	178	4296
Ca(NO ₃) ₂ -LiNO ₂ -LiNO ₃	30.7-61.4-7.8	208	4296
Ca(NO ₃) ₂ -RbNO ₂	17.6	178	4384
CO(NH ₂) ₂ -KNO ₃	84	110	4225a
CO(NH ₂) ₂ -KNO ₃ -NaNO ₃	Not reported	76	4225
CO(NH ₂) ₂ -LiNO ₃	83.5	76	4225a, 4246
CO(NH ₂) ₂ -LiNO ₃	54.5	95	4225a, 4246
CO(NH ₂) ₂ -NaNO ₃	77	84	4349, 4225a
CsC ₂ H ₃ O ₂ -CsNO ₃ -LiC ₂ H ₃ O ₂	71.5-4-24.5	126	4419
CsC ₂ H ₃ O ₂ -CsNO ₃ -LiC ₂ H ₃ O ₂	16.5-8.5-75	138	4419
CsC ₂ H ₃ O ₂ -LiNO ₃	85.1	135	4419
CsC ₂ H ₃ O ₂ -LiNO ₃	21.8	147	4419
CsNO ₃ -LiC ₂ H ₃ O ₂	9.8	245	4419
CsNO ₃ -LiC ₂ H ₃ O ₂ -LiNO ₃	39-11-50	135	4419
KNO ₂ -KNO ₃	20	323	4115
KNO ₂ -LiNO ₃	60	108	4115
KNO ₃ -KOH	68.5	214	4272
KNO ₃ -KOH	32	220	4272
KNO ₃ -LiNO ₂	45	102	4115
KNO ₃ -NaCNS	63.5	140	4151
LiC ₂ H ₃ O ₂ -LiNO ₃	51	145	4401
LiC ₂ H ₃ O ₂ -LiNO ₃ -NaNO ₃	49.5-42.5-8	137	4401
LiC ₂ H ₃ O ₂ -NaC ₂ H ₃ O ₂ -NaNO ₃	51-35.3-13.5	148	4401

Group: Nitrate-Others (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaNO}_3$	85	197	4401
$\text{LiNO}_2\text{-NaNO}_2\text{-NaNO}_3$	55-12-33	126	4114
$\text{LiNO}_2\text{-LiNO}_3$	75	193	4416
$\text{LiNO}_2\text{-LiNO}_3$	~70	~200	4249
$\text{LiNO}_2\text{-LiNO}_3\text{-NaNO}_3$	60-5-35	130	4114
$\text{LiNO}_2\text{-NaNO}_3$	65	133	4114
$\text{LiNO}_2\text{-RbNO}_3$	37.5	126	4249
$\text{LiNO}_2\text{-RbNO}_3$	65	132	4249
$\text{LiNO}_3\text{-RbNO}_2$	30	113	4249
$\text{LiNO}_3\text{-RbNO}_2$	67.5	148	4249
$\text{NaC}_2\text{H}_3\text{O}_2\text{-NaNO}_3$	76.5	200	4401
$\text{NaC}_2\text{H}_3\text{O}_2\text{-NaNO}_3\text{-RbNO}_3$	10-38.5-51.5	145	4269
$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	31-60-9	141	4269
$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	15.5-35-49.5	152	4269
$\text{NaNO}_2\text{-NaNO}_3$	60	233	4113, 4114
$\text{NaNO}_2\text{-NaNO}_3$	50	235	4113, 4114
$\text{RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	35.5	181	4269
$\text{RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	81.5	198	4269

Group: Sulfate-Sulfate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ag}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	31.5	559	4229
$\text{CaSO}_4\text{-Cs}_2\text{SO}_4$	36	775	4372
$\text{CaSO}_4\text{-K}_2\text{SO}_4$	42	867	4319, 4372
$\text{CaSO}_4\text{-K}_2\text{SO}_4$	39.7	875	4184
$\text{CaSO}_4\text{-Li}_2\text{SO}_4$	18.5	695	4372
$\text{CaSO}_4\text{-Na}_2\text{SO}_4$	40	890	4372
$\text{CaSO}_4\text{-Rb}_2\text{SO}_4$	39	845	4372
$\text{CdSO}_4\text{-K}_2\text{SO}_4$	43.5	635	4396
$\text{CdSO}_4\text{-K}_2\text{SO}_4\text{-Na}_2\text{SO}_4$	43-18-39	578	4396
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	9	616	4086
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	32	628	4086
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	66	706	4086
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4\text{-PbSO}_4$	47.5-9-43.5	526	4195
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4\text{-PbSO}_4$	8.5-80-11.5	560	4195
$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4\text{-PbSO}_4$	17.5-63.5-19	574	4195
$\text{Cs}_2\text{SO}_4\text{-Na}_2\text{SO}_4$	30	615	4368
$\text{Cs}_2\text{SO}_4\text{-PbSO}_4$	52	588	4356
$\text{CuSO}_4\text{-Na}_2\text{SO}_4$	47	537	4109
$\text{Fe}_2(\text{SO}_4)_3\text{-Na}_2\text{SO}_4$	18	620	4109
$\text{K}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	20	535	4180, 4305
$\text{K}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	60	698	4180
$\text{K}_2\text{SO}_4\text{-Na}_2\text{SO}_4$	25	832	4057
$\text{K}_2\text{SO}_4\text{-PbSO}_4\text{-Ti}_2\text{SO}_4$	1.5-23-75.5	582	4116
$\text{K}_2\text{SO}_4\text{-Ti}_2\text{SO}_4$	3	629	4116
$\text{Li}_2\text{SO}_4\text{-Na}_2\text{SO}_4\text{-PbSO}_4$	63-26-11	530	4366
$\text{Li}_2\text{SO}_4\text{-PbSO}_4$	80	635	4006
$\text{Li}_2\text{SO}_4\text{-PbSO}_4\text{-Rb}_2\text{SO}_4$	66-14-20	524	4086
$\text{Li}_2\text{SO}_4\text{-PbSO}_4\text{-Rb}_2\text{SO}_4$	76-11-13	540	4086
$\text{Li}_2\text{SO}_4\text{-PbSO}_4\text{-Rb}_2\text{SO}_4$	17-35.5-47.5	594	4086
$\text{Li}_2\text{SO}_4\text{-PbSO}_4\text{-Rb}_2\text{SO}_4$	28-35-37	600	4086
$\text{Li}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	87	580	4086
$\text{Li}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	79	590	4086
$\text{Li}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	36	704	4086
$\text{Li}_2\text{SO}_4\text{-Ti}_2\text{SO}_4$	24.5	502	4006
$\text{Li}_2\text{SO}_4\text{-Ti}_2\text{SO}_4$	73.5	526	4006
$\text{Na}_2\text{SO}_4\text{-PbSO}_4$	51	726	4366
$\text{Na}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	75	700	4368
$\text{Na}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	80	740	4282
$\text{PbSO}_4\text{-Ti}_2\text{SO}_4$	23.5	590	4116

Group: Sulfate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ca}_2\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7\text{-CaSO}_4$	60.1-32.2-7.7	958	4367
$\text{Ca}_2\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7\text{-Na}_2\text{SO}_4$	3-29-68	736	4367
$\text{Ca}_2\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7\text{-Na}_2\text{SO}_4$	23.2-70-6.7	914	4367
$\text{CaSO}_4\text{-Na}_4\text{P}_2\text{O}_7\text{-Na}_2\text{SO}_4$	49.2-2.5-48.2	918	4367
$\text{Na}_2\text{CO}_3\text{-Na}_2\text{SO}_4$	~66.5	~330	4040
$\text{Na}_2\text{CO}_3\text{-Na}_2\text{SO}_4$	66.7	812	4274
$\text{Na}_2\text{CO}_3\text{-Na}_2\text{SO}_4$	62	826	4271
$\text{K}_2\text{SO}_4\text{-K}_2\text{S}$	43	587	4318
$\text{K}_2\text{SO}_4\text{-K}_2\text{S}$	27.5	730	4318
PbO-PbSO_4	89	825	4196
PbO-PbSO_4	39	950	4196

Group: Oxide-Oxide

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Al}_2\text{O}_3\text{-BeO}$	42.4	1835	4317
$\text{Al}_2\text{O}_3\text{-BeO}$	60.1	1850	4317
$\text{Al}_2\text{O}_3\text{-BeO}$	82.3	1880	4317
$\text{Al}_2\text{O}_3\text{-BeO-SiO}_2$	36.2-33.1-30.7	1630	4317
$\text{Al}_2\text{O}_3\text{-BeO-SiO}_2$	55.9-18.5-25.6	1780	4317
$\text{Al}_2\text{O}_3\text{-CaO-MgO-ZrO}_2$	22.85-27.15-22.85- 27.15	1647	4238
$\text{Al}_2\text{O}_3\text{-CaO-SiO}_2$	27.3-35-37.7	1405 $\pm$ 5	4398
$\text{Al}_2\text{O}_3\text{-CeO}_2$	~54	~1770	4329
$\text{Al}_2\text{O}_3\text{-CuO}$	12.1	1130	4161
$\text{Al}_2\text{O}_3\text{-CuO-Cu}_2\text{O}$	2.8-55.9-41.2	1075	4161
$\text{Al}_2\text{O}_3\text{-Cu}_2\text{O}$	9.5	1096	4161
$\text{Al}_2\text{O}_3\text{-FeO}$	22.7	1305	4316
$\text{Al}_2\text{O}_3\text{-FeO}$	55.6	1750	4316
$\text{Al}_2\text{O}_3\text{-FeO-SiO}_2$	~30-36-33	~1400	4316
$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3$	76.25	1830	4386
$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3$	26.21	1875	4386
$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3\text{-MgO}$	50-11.73-38.27	1830	4337
$\text{Al}_2\text{O}_3\text{-Li}_2\text{O-SiO}_2$	4.3-10.7-85	975	4119, 4205
$\text{Al}_2\text{O}_3\text{-Li}_2\text{O-SiO}_2$	4.7-28-67.3	980	4119, 4205
$\text{Al}_2\text{O}_3\text{-MgO-Nd}_2\text{O}_3$	50-38.3-11.7	1835	4049
$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	42.1-17.3-40.5	1830	4341
$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	16.6-42-41.3	1840	4341
$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	29.6-31.6-38.8	1860	4341
$\text{Al}_2\text{O}_3\text{-MnO-SiO}_2$	~26-22-42	~1500	4316
$\text{Al}_2\text{O}_3\text{-Nb}_2\text{O}_5$	30	1410	4165
$\text{Al}_2\text{O}_3\text{-Sc}_2\text{O}_3$	66.6	1790 $\pm$ 20	4147
$\text{Al}_2\text{O}_3\text{-Sc}_2\text{O}_3$	44	1820 $\pm$ 20	4147
$\text{Al}_2\text{O}_3\text{-SiO}_2$	~3	1547 $\pm$ 5	4148
$\text{Al}_2\text{O}_3\text{-SiO}_2$	90.2	1590	4407
$\text{Al}_2\text{O}_3\text{-SiO}_2$	5	1595	4051
$\text{Al}_2\text{O}_3\text{-SiO}_2$	68	1840	4051
$\text{Al}_2\text{O}_3\text{-SiO}_2$	67.6	1840	4046
$\text{Al}_2\text{O}_3\text{-SiO}_2$	14.2	1840	4407
$\text{Al}_2\text{O}_3\text{-Ti}_2\text{O}_3$	55	1695 $\pm$ 30	4210
$\text{BaO-Fe}_2\text{O}_3$	58.8	1330	4134
$\text{BaO-Fe}_2\text{O}_3$	40	1370	4134
$\text{BaO-Fe}_2\text{O}_3$	38	1315	4135
$\text{BaO-Fe}_2\text{O}_3$	61	1330	4135

Group: Oxide-Oxide (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaO-WO ₃	25	938	4126
BaO-WO ₃	58.5	1320	4126
BaO-WO ₃	92	1590	4126
BeO-CeO ₂	63±3	1890±20	4052
BeO-CeO ₂	~57.5	~1960	4329
BeO-MgO	69±2	1860±10	4052
BeO-SiO ₂	~14	1670	4310
BeO-SiO ₂ -SrO	28.1-50-21.9	~1330	4080
BeO-ZrO ₂	59±2	2045±10	4052
Bi ₂ O ₃ -GeO ₂	Not Reported	830	4157
Bi ₂ O ₃ -GeO ₂	66	880	4157
Bi ₂ O ₃ -GeO ₂	23.5	960	4157
Bi ₂ O ₃ -PbO	29.5	602	4362
Bi ₂ O ₃ -PbO	64	694	4362
Bi ₂ O ₃ -MoO ₃	18.5	618	4362, 4373
Bi ₂ O ₃ -MoO ₃	27.5	636	4362, 4373
Bi ₂ O ₃ -MoO ₃	66.6	930	4362
Bi ₂ O ₃ -MoO ₃ -PbO	29-2-69	570	4362
Bi ₂ O ₃ -MoO ₃ -PbO	15-78-7	602	4362
Bi ₂ O ₃ -MoO ₃ -PbO	22.5-72-5.5	610	4362
Bi ₂ O ₃ -MoO ₃ -PbO	8.5-14.5-77	635	4362
Bi ₂ O ₃ -MoO ₃ -PbO	14.5-32.5-53	790	4362
Bi ₂ O ₃ -Nb ₂ O ₅	~36	1180	4101
Bi ₂ O ₃ -PbO-TiO ₂	29.5-69.5-1	599	4067
Bi ₂ O ₃ -PbO-TiO ₂	63.5-36-.5	680	4067
Bi ₂ O ₃ -PbO-V ₂ O ₅	1-49.5-49.5	430	4085
Bi ₂ O ₃ -PbO-V ₂ O ₅	29.5-69.5-1	594	4085
Bi ₂ O ₃ -PbO-V ₂ O ₅	3.5-64-32.5	688	4085
Bi ₂ O ₃ -PbO-V ₂ O ₅	13.5-71-15.5	710	4085
Bi ₂ O ₃ -TiO ₂	97.5	797	4067
Bi ₂ O ₃ -TiO ₂	90	826	4067
Bi ₂ O ₃ -V ₂ O ₅	~85	630	4085
Bi ₂ O ₃ -V ₂ O ₅	62.5	870	4085
B ₂ O ₃ -Bi ₂ O ₃	19	622	4397
B ₂ O ₃ -Bi ₂ O ₃	46	664	4397
B ₂ O ₃ -Bi ₂ O ₃	76.5	696	4397
B ₂ O ₃ -Bi ₂ O ₃	73.5	698	4397
B ₂ O ₃ -Bi ₂ O ₃	81	709	4397
B ₂ O ₃ -MgO	30.6	1300±5	4326

Group: Oxide-Oxide (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
B_2O_3 -MgO	17.9	1360 $\pm$ 5	4326
B_2O_3 -SiO ₂	~1	451 $\pm$ 1	4405
B_2O_3 -ThO ₂	<98	<325	4142
B_2O_3 -ThO ₂	~19	1483	4142
CaO-CeO ₂	~53.8	~1980	4329
CaO-Na ₂ O-SiO ₂	5.6-20.6-73.8	725	4332
CaO-TiO ₂	20.2	1460 $\pm$ 10	4314
CaO-Nb ₂ O ₅	23.2	1326	4348
CaO-Nb ₂ O ₅	58.6	1492	4348
CaO-Nb ₂ O ₅	70.9	1535	4348
CaO-P ₂ O ₅ -SiO ₂	77.1-17.3-5.6	1636	4047
CaO-P ₂ O ₅ -SiO ₂	74-5.6-20.3	1970	4047
CdO-P ₂ O ₅	53	865 $\pm$ 3	4235
CdO-P ₂ O ₅	72	1075 $\pm$ 5	4235
CeO ₂ -Cr ₂ O ₃	~54	~2260	4329
CeO ₂ -Fe ₃ O ₄	~38.7	~1510	4329
CeO ₂ -MgO	~26	~2235	4329
CeO ₂ -Mn ₃ O ₄	~38.7	~1530	4329
CeO ₂ -TiO ₂	~55	~1510	4329
CeO ₂ -ZrO ₂	~53	~2390	4329
Cr ₂ O ₃ -FeO	16.8	~900	4331
Cr ₂ O ₃ -FeO	72.8	~1090	4331
Cr ₂ O ₃ -La ₂ O ₃	22	2130 $\pm$ 30	4395
Cr ₂ O ₃ -La ₂ O ₃	76	2230 $\pm$ 30	4395
Cr ₂ O ₃ -MgO	65	2355	4141
Cr ₂ O ₃ -Nb ₂ O ₅	21	1475	4165
Cr ₂ O ₃ -Nb ₂ O ₅	70	1680	4165
Cr ₂ O ₃ -SiO ₂	5	1680	4201
Cr ₂ O ₃ -SiO ₂	65	1760	4201
Cr ₂ O ₃ -SiO ₂ -ZrO ₂	5-85-10	1669	4201
Cr ₂ O ₃ -SiO ₂ -ZrO ₂	30-55-15	1700	4201
Cr ₂ O ₃ -SiO ₂ -ZrO ₂	21.25-63.75-15	1840	4201
Cr ₂ O ₃ -ZrO ₂	55	1880	4201
CoO-Nb ₂ O ₅	25	1375	4165
CoO-Nb ₂ O ₅	67	1385	4165

Group: Oxide-Oxide (cont.)

System	Composition mol. %	Eutectic M.P., °C	Reference No.
$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	39	380	4037
$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	21.5	468	4037
$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	56	538	4037
$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	72	660	4037
$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	92	668	4037
$\text{CuO}-\text{Cu}_2\text{O}$	45.8	1075	4161
$\text{CuO}-\text{Cu}_2\text{O}-\text{SiO}_2$	40.8-48.4-10.8	1050	4155
$\text{Cu}_2\text{O}-\text{SiO}_2$	3.5	1060 $\pm$ 10	4155
$\text{FeO}-\text{SiO}_2$	60.8	1177	4331
$\text{FeO}-\text{SiO}_2$	74.7	1178	4331
$\text{Fe}_2\text{O}_3-\text{Nb}_2\text{O}_5$	27	1360	4165
$\text{Fe}_2\text{O}_3-\text{Nb}_2\text{O}_5$	72	1375	4165
$\text{Gd}_2\text{O}_3-\text{SiO}_2$	26.4	1710	4001
$\text{Gd}_2\text{O}_3-\text{SiO}_2$	65.7	1810	4001
$\text{Gd}_2\text{O}_3-\text{SiO}_2$	45	1850	4001
$\text{GeO}_2-\text{Li}_2\text{O}$	74	930 $\pm$ 10	4234
$\text{GeO}_2-\text{Li}_2\text{O}$	89.6	935 $\pm$ 10	4234
$\text{GeO}_2-\text{Li}_2\text{O}$	71.5	1025 $\pm$ 10	4234
GeO_2-MnO	~43.5	1095 $\pm$ 10	4045
$\text{GeO}_2-\text{Na}_2\text{O}$	65	778	4002
$\text{GeO}_2-\text{Na}_2\text{O}$	66.6	785	4003
$\text{GeO}_2-\text{Na}_2\text{O}$	68.4	789	4002
$\text{GeO}_2-\text{Na}_2\text{O}$	64	790 $\pm$ 10	4190
$\text{GeO}_2-\text{Na}_2\text{O}$	92.5	905	4003
$\text{GeO}_2-\text{Na}_2\text{O}$	50.5	950 $\pm$ 10	4190
$\text{GeO}_2-\text{Na}_2\text{O}$	83	1042	4002
GeO_2-PbO	27.3	707 $\pm$ 5	4387
GeO_2-PbO	61.7	727 $\pm$ 5	4387
GeO_2-PbO	41.5	740 $\pm$ 5	4387
$\text{HfO}_2-\text{La}_2\text{O}_3$	35	2160 $\pm$ 30	4193
$\text{HfO}_2-\text{La}_2\text{O}_3$	75	2210 $\pm$ 30	4193
$\text{La}_2\text{O}_3-\text{MgO}$	50	~970	4138
$\text{La}_2\text{O}_3-\text{MgO}$	60	~1960	4329
$\text{La}_2\text{O}_3-\text{MgO}$	~55	~1970	4329
$\text{La}_2\text{O}_3-\text{MgO}$	52	2000 $\pm$ 20	4394
$\text{La}_2\text{O}_3-\text{MgO}$	~20	~2000	4329
$\text{La}_2\text{O}_3-\text{ZrO}_2$	~60	~2100	4329

Group: Oxide-Oxide (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
Li ₂ O-SiO ₂	61.2	1024	4204
Li ₂ O-SiO ₂	30.8	1028	4204
MgO-PuO ₂	43	1985 ₊₃₅	4133
MgO-Sc ₂ O ₃	44	~2080	4138
MgO-Ta ₂ O ₅	20	1575	4050
MgO-SiO ₂ -SrO	35.5-50-14.5	1325	4080
MgO-SiO ₂ -SrO	20.6-50-29.4	1425	4080
MgO-Y ₂ O ₃	48	~2060	4138
MgO-Y ₂ O ₃	52	2080 ₊₃₀	4140
MgO-ZrO ₂	49	2070	4330
MgO-ZrO ₂	65 ₊₃	2080 ₊₁₀	4052
MoO ₃ -PbO	82.5	680	4362
MoO ₃ -PbO	11.7	762	4362
MoO ₃ -PbO	37.5	935	4362
Na ₂ O-TiO ₂ -V ₂ O ₅	57.5-2-40.5	490	4025
Na ₂ O-TiO ₂ -V ₂ O ₅	39-.2-60.8	520	4025
Nb ₂ O ₅ -NiO	72	1430	4165
Nb ₂ O ₅ -NiO	33	1495	4165
Nb ₂ O ₅ -V ₂ O ₅	~1	648	4261
Nb ₂ O ₃ -WO ₃	11	~1300	4240
Nb ₂ O ₃ -WO ₃	40	~1340	4240
Nd ₂ O ₃ -SiO ₂	26	1635	4132
Nd ₂ O ₃ -SiO ₂	65	1675	4132
Nd ₂ O ₃ -SiO ₂	45	1700	4132
NiO-SiO ₂	55	1650	4347
PbO-ZnO	89	861 ₊₂	4100
Rb ₂ O-SiO ₂	43.5	745	4087
Rb ₂ O-SiO ₂	15.8	770	4087
Rb ₂ O-V ₂ O ₅	41	380	4389
Rb ₂ O-V ₂ O ₅	21	498	4389
Rb ₂ O-V ₂ O ₅	54	512	4389
Rb ₂ O-V ₂ O ₅	92	816	4389
Rb ₂ O-V ₂ O ₅	69	910	4389
SO ₃ -SeO ₃	99.97	15	4024
Sc ₂ O ₃ -MgO	46	2150 ₊₃₀	4287
SiO ₂ -ZrO ₂	95	1705	4201
SiO ₂ -ZrO ₂	95	1750	4454
SiO ₂ -ZrO ₂	42	2220	4454

Group: Oxide-Oxide (cont.)

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{TeO}_2\text{-V}_2\text{O}_5$	75.5	469	4191
$\text{ThO}_2\text{-TiO}_2$	~25	~1630	4329
$\text{V}_2\text{O}_5\text{-ZnO}$	64	634	4241
$\text{V}_2\text{O}_5\text{-ZnO}$	46	645	4241
$\text{V}_2\text{O}_5\text{-ZnO}$	27	866	4241
$\text{V}_2\text{O}_5\text{-ZnO}$	23	895	4241

Group: Oxide-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Al}_2\text{O}_3\text{-NaAlO}_2$	21.1	~1595	4146
$\text{Ca}_7\text{Al}_6\text{ZrO}_{16}\text{-MgO}$	22.4	1457	4238
$\text{Ca}_3(\text{PO}_4)_2\text{-CaSiO}_3\text{-SiO}_2$	16.1-79.5-4.33	1380	4262
$\text{Ca}_3(\text{PO}_4)_2\text{-SiO}_2$	70.5	1540	4262
$\text{CeO}_2\text{-NaPO}_3$	.55	558	4391
$\text{K}_4\text{P}_2\text{O}_7\text{-K}_2\text{TiO}_3\text{-TiO}_2$	63.7-11.3-25	690	4275
$\text{K}_4\text{P}_2\text{O}_7\text{-K}_2\text{TiO}_3\text{-TiO}_2$	1.4-90.7-7.9	790	4275
$\text{K}_4\text{P}_2\text{O}_7\text{-K}_2\text{TiO}_3\text{-TiO}_2$	1.3-96.1-2.6	790	4275
$\text{K}_4\text{P}_2\text{O}_7\text{-K}_2\text{TiO}_3\text{-TiO}_2$	3.8-73.4-22.8	854	4275
$\text{K}_4\text{P}_2\text{O}_7\text{-TiO}_2$	68.5	710	4275
$\text{K}_2\text{TiO}_3\text{-TiO}_2$	93.9	817	4275
$\text{K}_2\text{TiO}_3\text{-TiO}_2$	98	822	4275
$\text{K}_2\text{TiO}_3\text{-TiO}_2$	89.8	826	4275
$\text{MgFe}_2\text{O}_4\text{-PbO}$	8	795	4175
$\text{MgAl}_2\text{O}_4\text{-ZrO}_2$	Not reported	1857	4238
MnO-MnS	40.8	1232	4042
$\text{Na}_2\text{B}_4\text{O}_7\text{-V}_2\text{O}_5$	35	~590	4139
$\text{Na}_2\text{B}_4\text{O}_7\text{-V}_2\text{O}_5$	12	~615	4139
$\text{Na}_2\text{CO}_3\text{-Na}_2\text{O-NaOH}$	6.5-7.4-86.1	263	4393
$\text{Na}_2\text{SiO}_3\text{-TiO}_2$	79.9	872	4276
$\text{Na}_2\text{SiO}_3\text{-Na}_2\text{TiO}_3\text{-TiO}_2$	29.3-55.7-14.9	826	4276
$\text{NaPO}_3\text{-Nd}_2\text{O}_3$	99.5	600	4391
$\text{NaPO}_3\text{-Sm}_2\text{O}_3$	99.8	552	4391
PbO-PbSe	80	760±10	4096
$\text{PbWO}_4\text{-WO}_3$	32.5	930	4031

Group: Silicate-Silicate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ba}_2\text{SiO}_4\text{-Ca}_2\text{SiO}_4$	37.2	1770 $\pm$ 20	4294
$\text{Ba}_2\text{SiO}_4\text{-Ca}_2\text{SiO}_4$	~80.9	1830 $\pm$ 20	4294
$\text{Ca}_2\text{SiO}_4\text{-Y}_4(\text{SiO}_4)_3$	77.9	1750 $\pm$ 20	4265

Group: Silicate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Na}_2\text{CrO}_4\text{-Na}_2\text{SiO}_3$	87.1	770	4327
$\text{Ca}_2\text{SiO}_4\text{-MgAlCrO}_4$	74.4	1615 $\pm$ 5	4233
$\text{Ca}_2\text{SiO}_4\text{-MgFeCrO}_4$	73.6	1620 $\pm$ 5	4233
$\text{Ca}_2\text{SiO}_4\text{-MgFe}_2\text{O}_4$	56.7	1415 $\pm$ 5	4233
$\text{Ca(OH)}_2\text{-Ca}_2\text{SiO}_4$	94	822	4346
$\text{Na}_2\text{SiO}_3\text{-Na}_2\text{TiO}_3$	47	880	4276
$\text{Ca}_3(\text{PO}_4)_2\text{-CaSiO}_3$	17.4	1420	4262
$\text{Ca}_2\text{SiO}_4\text{-MgAl}_2\text{O}_4$	61	1418	4232
$\text{Fe}_2\text{SiO}_4\text{-Zn}_2\text{SiO}_4$	64.1	~1105	4213

Group: Phosphate-Phosphate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ca}(\text{PO}_3)_2\text{-KPO}_3$	14 $\pm$ 1	683 $\pm$ 3	4264
$\text{Ca}(\text{PO}_3)_2\text{-KPO}_3$	64 $\pm$.5	832 $\pm$ 2	4264
$\text{Cd}(\text{PO}_3)_2\text{-Zn}(\text{PO}_3)_2$	25	786 $\pm$ 5	4172
$\text{Cd}_3(\text{PO}_4)_2\text{-Zn}_3(\text{PO}_4)_2$	9	849 $\pm$ 3	4137
$\text{Cd}_2\text{P}_2\text{O}_7\text{-Zn}_2\text{P}_2\text{O}_7$	30	947 $\pm$ 5	4235
$\text{K}_4\text{P}_2\text{O}_7\text{-Li}_4\text{P}_2\text{O}_7$	62	680	4005, 4009, 4277 4410
$\text{K}_4\text{P}_2\text{O}_7\text{-Li}_4\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7$	~36-28-36	652	4005
$\text{Li}_4\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7$	62	720	4376

Group: Phosphate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
K_2MoO_4 - $K_4P_2O_7$	78	850	4375, 4410a
K_2MoO_4 - $K_4P_2O_7$ - $Li_4P_2O_7$	3.9-58.8-37.2	675	4410
K_2MoO_4 - $K_4P_2O_7$ - $Li_4P_2O_7$	54-29.2-16.7	705	4410
K_2MoO_4 - $K_4P_2O_7$ - $Na_4P_2O_7$	81.5-1.9-16.5	706	4375
K_2MoO_4 - Li_2MoO_4 - $Li_4P_2O_7$	34.3-64.6-1	510	4410
K_2MoO_4 - Li_2MoO_4 - $Li_4P_2O_7$	58.6-40.4-1	545	4410
K_2MoO_4 - Na_2MoO_4 - $Na_4P_2O_7$	18.5-79.5-2	635	4375
K_2MoO_4 - Na_2MoO_4 - $Na_4P_2O_7$	70.6-23.5-5.9	767	4375
K_2MoO_4 - $Na_4P_2O_7$	77.7	736	4375
K_2MoO_4 - $Na_4P_2O_7$	58.1	744	4375
$K_4P_2O_7$ - K_2TiO_3 - Li_2TiO_3	.25-89.2-10.5	744	4277
$K_4P_2O_7$ - $Li_4P_2O_7$ - Li_2TiO_3	60.9-37.1-2	657	4277
$K_4P_2O_7$ - $Li_4P_2O_7$ - Li_2TiO_3	62.6-11.3-26.1	708	4277
$K_4P_2O_7$ - $Li_4P_2O_7$ - Li_2TiO_3	59.4-1.2-39.4	765	4277
$K_4P_2O_7$ - Na_2MoO_4	4.7	644	4375
$K_4P_2O_7$ - Na_2MoO_4	36	720	4375
Li_2MoO_4 - $Li_4P_2O_7$	99.2	688	4376, 4410
Li_2MoO_4 - $Li_4P_2O_7$	3.9	982	4376, 4410
Li_2MoO_4 - $Li_4P_2O_7$ - $Na_4P_2O_7$	64.9-33.8-1.3	455	4376
$Li_4P_2O_7$ - Na_2MoO_4 - $Na_4P_2O_7$	5.8-84.1-10.1	600	4376
$Li_4P_2O_7$ - Na_2MoO_4 - $Na_4P_2O_7$	5.5-88.9-5.5	624	4376
$Li_4P_2O_7$ - Na_2MoO_4 - $Na_4P_2O_7$	36.6-4.9-58.5	700	4376
$Li_4P_2O_7$ - Na_2MoO_4 - $Na_4P_2O_7$	29.5-18.2-52.3	710	4376
Na_2MoO_4 - $Na_4P_2O_7$	94.2	654	4375
Na_2MoO_4 - $Na_4P_2O_7$	63	807	4375

Group: Sulfide-Sulfide

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Co}_4\text{S}_3\text{-FeS}$	~77	900	4279
$\text{Cu}_2\text{S-Na}_2\text{S}$	38.4	480	4043
$\text{Cu}_2\text{S-FeS-Na}_2\text{S}$	22.6-13.2-64.2	460	4293
$\text{Cu}_2\text{S-FeS-Na}_2\text{S}$	4.3-23.8-71.8	590	4293
$\text{Cu}_2\text{S-FeS-Na}_2\text{S}$	4.3-59.8-35.9	670	4293
$\text{Cu}_2\text{S-FeS-Na}_2\text{S}$	17.6-66.2-16.1	725	4293
PbS-PbSe	44	1080 ₊₂	4237
PbS-SnS	~17	240	4074

Group: Nitrite-Nitrite

System	Composition mol %	Eutectic M.P., °C	Reference No.
Ba(NO ₂) ₂ -LiNO ₂	20.5	182	4416
Ba(NO ₂) ₂ -TlNO ₂	8.1	165	4108
Ba(NO ₂) ₂ -TlNO ₂	97	263	4108
Ca(NO ₂) ₂ -NaNO ₂	32.4	200	4113
Ca(NO ₂) ₂ -TlNO ₂	8.1	158	4108
CsNO ₂ -Sr(NO ₂) ₂	~82.3	248	4258
CsNO ₂ -Sr(NO ₂) ₂	~40	284	4258
CsNO ₂ -TlNO ₂	25	162	4403
KNO ₂ -NaNO ₂	35	224	4102
KNO ₂ -Sr(NO ₂) ₂	~75	75	4258
KNO ₂ -Sr(NO ₂) ₂	~46.1	217	4258
KNO ₂ -TlNO ₂	25	168	4403
LiNO ₂ -NaNO ₂	62.5	151	4114
LiNO ₂ -TlNO ₂	25	100	4403
NaNO ₂ -Sr(NO ₂) ₂	71	218	4258
NaNO ₂ -TlNO ₂	~18	140	4403
RbNO ₂ -Sr(NO ₂) ₂	78.8	232	4258
RbNO ₂ -Sr(NO ₂) ₂	40	237	4258
RbNO ₂ -TlNO ₂	75	180	4403
Sr(NO ₂) ₂ -TlNO ₂	12.7	142	4108

Group: Nitrite-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
KCNS-KNO ₂	66	120	4322
NaNO ₂ -NaOH	77	230	4272
NaNO ₂ -NaOH	27	239	4272

Group: Chromate-Chromate

System	Composition mol %	Eutectic M.P., °C	Reference No.
Ag_2CrO_4 - Li_2CrO_4	60	415	4150
CaCrO_4 - Na_2CrO_4	48.4	740	4338, 1736
Cs_2CrO_4 - Na_2CrO_4	38	530	4060
Cs_2CrO_4 - PbCrO_4	61	508	4415
Cs_2CrO_4 - PbCrO_4	53.5	524	4415
K_2CrO_4 - Li_2CrO_4	26	415	4149
K_2CrO_4 - Li_2CrO_4	54	544	4149
Na_2CrO_4 - Rb_2CrO_4	98.5	3955	4060
Na_2CrO_4 - Rb_2CrO_4	98	418	4060
PbCrO_4 - Rb_2CrO_4	68	646	4415
PbCrO_4 - Rb_2CrO_4	41.5	670	4415
$\text{Cs}_2\text{Cr}_2\text{O}_7$ - $\text{Na}_2\text{Cr}_2\text{O}_7$	74	327	4365
$\text{Cs}_2\text{Cr}_2\text{O}_7$ - $\text{Na}_2\text{Cr}_2\text{O}_7$	21	315	4365
$\text{Na}_2\text{Cr}_2\text{O}_7$ - $\text{Rb}_2\text{Cr}_2\text{O}_7$	78	303	4365
$\text{Na}_2\text{Cr}_2\text{O}_7$ - $\text{Rb}_2\text{Cr}_2\text{O}_7$	25	317	4365

Group: Chromate-Others:

System	Composition mol %	Eutectic M.P., °C	Reference No.
K_2CrO_4 - Li_2CrO_4 -LiOH	10-43-47	339	4149
K_2CrO_4 - Li_2CrO_4 -LiOH	19-63.5-17.5	373	4149
K_2CrO_4 -KOH	8.1	358	4149
K_2CrO_4 -KOH	7.8	360	4272
K_2CrO_4 -KOH-LiOH ¹⁴	6-69-25	200	4149
Li_2CrO_4 -LiOH	29	318	4149
Li_2CrO_4 -LiOH ¹⁴	47	427	4149
Li_2CrO_4 -LiOH	63.9	450	4149

Group: Borate-Borate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ba}(\text{BO}_2)_2\text{-Ca}(\text{BO}_2)_2$	68	1030	4131
$\text{Ba}(\text{BO}_2)_2\text{-Ca}(\text{BO}_2)_2$	82	1034	4131
$\text{Ba}(\text{BO}_2)_2\text{-Ca}(\text{BO}_2)_2$	25	1050	4131
$\text{Ba}(\text{BO}_2)_2\text{-Cd}(\text{BO}_2)_2$	~17	790	4044
$\text{Ba}(\text{BO}_2)_2\text{-Cd}(\text{BO}_2)_2$	~70	950	4044
$\text{Ba}(\text{BO}_2)_2\text{-Mg}(\text{BO}_2)_2$	~30	950	4044
$\text{Ba}(\text{BO}_2)_2\text{-Sr}(\text{BO}_2)_2$	38.5	1044	4044
$\text{Ba}(\text{BO}_2)_2\text{-Sr}(\text{BO}_2)_2$	83.5	1072	4044
$\text{Ca}(\text{BO}_2)_2\text{-Cd}(\text{BO}_2)_2$	25	836	4044
$\text{Cd}(\text{BO}_2)_2\text{-Mg}(\text{BO}_2)_2$	97.5	858	4044
$\text{Mg}(\text{BO}_2)_2\text{-Sr}(\text{BO}_2)_2$	42.5	920	4044

Group: Molybdate-Molybdate

System	Composition mol %	Eutectic M.P., °C	Reference No.
Cs_2MoO_4 - Na_2MoO_4	42.5	480	4413
Cs_2MoO_4 - PbMoO_4	59	646	4415
K_2MoO_4 - Na_2MoO_4	19	667	1585, 1691, 2249, 4375
K_2MoO_4 - Li_2MoO_4	32.5	513	4410
K_2MoO_4 - Li_2MoO_4	60	547	4410
K_2MoO_4 - PbMoO_4	69	770	4399
K_2MoO_4 - PbMoO_4	37	802	4399
Li_2MoO_4 - Na_2MoO_4	51	466	4376
PbMoO_4 - Rb_2MoO_4	37	750	4415
PbMoO_4 - Rb_2MoO_4	58	770	4415

Group: Molybdate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
K_2MoO_4 - K_2TiO_3 - PbTiO_3	4-69-27	760	4399
K_2MoO_4 - K_2TiO_3 - PbTiO_3	3.5-59-37.5	802	4399

Group: Carbonate-Carbonate

System	Composition mol %	Eutectic M.P., °C	Reference No.
K_2CO_3 - Li_2CO_3	38	488	4071
K_2CO_3 - Li_2CO_3	57.3	498	4071
K_2CO_3 - Li_2CO_3 - Na_2CO_3	25-43.5-31.5	397±1	4071
K_2CO_3 - Li_2CO_3 - Na_2CO_3	26.8-42.5-30.6	393	4392
K_2CO_3 - Na_2CO_3	38.5	695	4392
Li_2CO_3 - Na_2CO_3	52	500	4071

Group: Carbonate-Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CaCO}_3\text{-Ca(OH)}_2$	35.8	653	4186
$\text{Cs}_2\text{CO}_3\text{-CsOH}$	10.3	292	4263
$\text{Na}_2\text{CO}_3\text{-NaOH}$	7.2	283 $\pm$ 1	4393
$\text{Li}_2\text{CO}_3\text{-LiOH}$	10.2	442	4408

Group: Tungstate-Tungstate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CuWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	40	690	4034
$\text{CuWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	15	700	4034
$\text{Cs}_2\text{WO}_4\text{-PbWO}_4$	59	692	4415
$\text{FeWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	10	720	4034
$\text{MgWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	13	668	4034
$\text{MgWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	40	676	4034
$\text{PbWO}_4\text{-Rb}_2\text{WO}_4$	36	760	4415
$\text{PbWO}_4\text{-Rb}_2\text{WO}_4$	51.5	784	4415

Group: Titanate-Titanate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$K_2TiO_3-Na_2TiO_3$	82	773	4321
$K_2TiO_3-PbTiO_3$	81	786	4399
$K_2TiO_3-PbTiO_3$	61	815	4399

Group: Perchlorate-Perchlorate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{Ba}(\text{ClO}_4)_2\text{-Ca}(\text{ClO}_4)_2$	43	314	4369
$\text{Ba}(\text{ClO}_4)_2\text{-KClO}_4$	71	393	4369
$\text{Ba}(\text{ClO}_4)_2\text{-NaClO}_4$	40	313	4369
$\text{Ca}(\text{ClO}_4)_2\text{-KClO}_4$	80	362	4369
$\text{Ca}(\text{ClO}_4)_2\text{-LiClO}_4\text{-NaClO}_4$	11.2-66.8-22	202	4111
$\text{LiClO}_4\text{-NaClO}_4$	78.2	219	4111
$\text{LiClO}_4\text{-NaClO}_4$	71.5	207	4111
$\text{LiClO}_4\text{-NaClO}_4$	71.5	204	4369
$\text{LiClO}_4\text{-NH}_4\text{ClO}_4$	69.5	182	4369

Group: Acetate-Acetate

System	Composition mol %	Eutectic M.P., °C	Reference No.
$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	76	135	4163
$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	12	240	4163
$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	62-21-17	125	4163
$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	11.5-85-3.5	226	4163
$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	64	181	4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	15.5	222	4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	9-57-34	157	4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	41-32-27	157	4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	44-31-25	158	4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	55	228	4228, 4400
$\text{KC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	8-33-59	144	4228
$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	57	160	4401
$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	81.5	226	4401
$\text{LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	26	176	4163
$\text{LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	88.5	236	4163
$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	38	179	4269

Group: All Others

System	Composition mol %	Eutectic M.P., °C	Reference No.
BaH ₂ -LiH	5	671	4231
CaZrO ₃ -MgAl ₂ O ₄	54.3	1647	4238
EuH ₂ -LiH	6.8	664	4231
KNH ₂ -NH ₃	~99	-78.8	4176
KOH-NaOH	50.6	170	4011
LaAlO ₃ -MgAl ₂ O ₄	38	1830	4337
LiH-YbH ₂	93.2	669	4231
LiH-SrH ₂	88.8	645	4231
LiOH-NaOH	30	210	4268
MgAl ₂ O ₄ -NdAlO ₃	62	1835	4049
NaCN-NaOH	31	224	4350

LIST OF EUTECTIC MELTING POINTS FOR ALL SYSTEMS

Eutectic M.P., °C	System	Composition mol %	Reference No.
-80	BBr ₃ -SiCl ₄	26.4	4187
-80	NH ₃ -NH ₄ Br(NH ₃) ₄	93	4430
-78.8	KNH ₂ -NH ₃	~99	4176
-74	BBr ₃ -GeCl ₄	40	4187
-57.5	BBr ₃ -SiBr ₄	76	4187
-56	AsBr ₃ -S ₂ Br ₂	13.5	4324
-53	BBr ₃ -GeBr ₄	80.9	4187
-50	PBr ₃ -SnBr ₄	84	4324
-47.5	S ₂ Br ₂ -SnBr ₄	95.5	4324
-31.5	AsBr ₃ -Br ₂	34	4324
-18	Br ₂ -N ₂ O ₄	17	4300
-15.5	Br ₂ -SbBr ₃	81.8	4324
-13.5	AlBr ₃ -Br ₂	21.4	4324
-2.2	NbCl ₅ -POCl ₃ -TiCl ₄	3.75-92.5-3.75	4213
-1.7	POCl ₃ -TaCl ₅ -TiCl ₄	93.8-3.1-3.1	4212
-0.2	AlCl ₃ -POCl ₃	<3	4414
3.55	AsBr ₃ -SnBr ₄	45	4324
15	SO ₃ -SeO ₃	99.97	4024
20	AlBr ₃ -SnBr ₄	23	4324
23.5	AsBr ₃ -PBr ₅	82.5	4324
25.5	AlBr ₃ -AsBr ₃	26	4324
27	SbBr ₃ -SnBr ₄	6	4324
30	GaCl ₃ -ZnCl ₂	~68	4255
44	RbCl-SbCl ₃	15	4388
52	CdCl ₂ -GaCl ₃	~5	4255
54	AlBr ₃ -SbCl ₃	14.5	4323
55	CsCl-GaCl ₃	3	4254
55	GaCl ₃ -HgCl ₂	92	4255
57	GaCl ₃ -LiCl	82	4254
58	CO(NH ₂) ₂ -NaI	80.5	4349, 4763
58	GaCl ₃ -NH ₄ Cl	~85	4254
59	AlBr ₃ -SbCl ₃	75.8	4323
59	AlCl ₃ -HgBr ₂	42.2	4323
59	CO(NH ₂) ₂ -NaI-NaNO ₃	80-18-2	4349
60	CuCl-GaCl ₃	5.2	4103
62	GaCl ₃ -NaCl	97	4103
65	GaCl ₃ -KCl	84	4254
66	CO(NH ₂) ₂ -NaBr	79.5	4349, 4763
68	Ba(NO ₃) ₂ -CO(NH ₂) ₂ -LiNO ₃	1-83-16	4225
68	Ba(NO ₃) ₂ -CO ₂ (NH ₂) ₂ -NaNO ₃	4-78.5-17.5	4225
68	CsCl-SbCl ₃	7.5	4388

Eutectic M.P., °C	System	Composition mol %	Reference No.
68	CsNO ₃ -Pb(NO ₃) ₂	68	4325
70+3	AlCl ₃ -MoCl ₅ -NaCl	63-4-33	4110
70	Cd(NO ₃) ₂ -NaNO ₃ -NH ₄ NO ₃	44.1-.7-55.1	4270
71	Cd(NO ₃) ₂ -NaNO ₃ -NH ₄ NO ₃	33.6-2.4-64	4270
72	GaCl ₃ -HgCl ₂	60	4255
74	Cd(NO ₃) ₂ -NH ₄ NO ₃	23.5	4270
75	AlCl ₃ -HfCl ₄ -KCl	68.8-3.8-27.4	4377
~75	GaCl ₃ -InCl ₃	~98.7	4297
75	KNO ₂ -Sr(NO ₂) ₂	~75	4258
76	AgCl-GaCl ₃	6.1	4103
76	AgI-AgIO ₃ -AgNO ₃	47-18-35	4340
76	AlCl ₃ -HfCl ₄ -NaCl	60.5-1.6-38	4377
76	CO(NH ₂) ₂ -LiNO ₃	83.5	4246, 4225a
76	CO(NH ₂) ₂ -KNO ₃ -NaNO ₃	Not reported	4225
78	CO(NH ₂) ₂ -NaCl-NaNO ₃	79-4-17	4349
80	Ba(NO ₃) ₂ -CO(NH ₂) ₂ -KNO ₃	5.5-86-8.5	4225
83.8	NbCl ₅ -POCl ₃ -TiCl ₄	21.7-50-28.3	4212
84	CO(NH ₂) ₂ -NaNO ₃	77	4225a, 4349
86	AlCl ₃ -SbBr ₃	8.4	4323
86	POCl ₃ -TaCl ₅ -TiCl ₄	50-21-29	4212
87	KCl-YCl ₃	87	4036
87.8	NbCl ₅ -POCl ₃ -TiCl ₄	11.1-70-25.9	4212
88	AlCl ₃ -FeCl ₃ -MoCl ₅	Not reported	4094
89	NbCl ₅ -POCl ₃ -TiCl ₄	13.3-56.6-30.1	4212
90+2	AlCl ₃ -NaCl-WCl ₆	58-40-2	4359
91.2	NbCl ₅ -POCl ₃ -TiCl ₄	27.1-57.6-15.3	4212
92	Ba(NO ₃) ₂ -CO(NH ₂) ₂ -LiNO ₃	1-55-44	4225
92.4	POCl ₃ -TaCl ₅ -TiCl ₄	64.2-7.5-28.3	4212
~95	AlCl ₃ -BeCl ₂	48	4302
95	AlCl ₃ -POCl ₃ -TiCl ₄	8.5-65.3-26.2	4182
95	CO(NH ₂) ₂ -LiNO ₃	54.5	4246, 4225a
96	Ba(NO ₃) ₂ -CO(NH ₂) ₂	10.5	4225
96	POCl ₃ -TaCl ₅ -TiCl ₄	54.5-9.1-36.4	4212
97.8	AlCl ₃ -POCl ₃ -TiCl ₄	7.5-50-42.5	4182
98	GaCl ₃ -KCl	64	4254
98.2	AlCl ₃ -POCl ₃ -TiCl ₄	7.5-51.9-40.6	4182
100	LiNO ₂ -TiNO ₂	25	4403
102	KNO ₃ -LiNO ₂	45	4115
102.6	POCl ₃ -TaCl ₅ -TiCl ₄	56.3-31-12.7	4212
104	AlCl ₃ -KBr	65.5	4323
108	KNO ₂ -LiNO ₃	60	4115

Eutectic M.P., °C	System	Composition mol %	Reference No.
110	$\text{CO}(\text{NH}_2)_2\text{-KNO}_3$	84	4225a
112	$\text{CO}(\text{NH}_2)_2\text{-NaCl}$	90	4349, 4763
113	$\text{LiNO}_3\text{-RbNO}_2$	30	4249
114.4	$\text{AlCl}_3\text{-POCl}_3$	62-63	4414
115	$\text{KNO}_3\text{-NaNO}_3\text{-NH}_4\text{NO}_3$	7.5-18-74.5	4246
120	KCNS-KNO_2	66	4322
120	$\text{KNO}_3\text{-LiNO}_3\text{-NaNO}_3$	53-30-17	4180
120	$\text{KNO}_3\text{-LiNO}_3\text{-NaNO}_3$	44.5-37.5-18	4246
121	$\text{AlCl}_3\text{-FeCl}_3\text{-MoCl}_5$	Not reported	4094
121	$\text{NaNO}_3\text{-NH}_4\text{NO}_3$	20.5	4246
122	$\text{AlCl}_3\text{-HfCl}_4$	98	4377
124	$\text{KNO}_3\text{-LiNO}_3$	59	4115
125	$\text{AlCl}_3\text{-KCl-NaCl}$	50-15-35	4022
125	$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	62-21-17	4163
126	$\text{CsC}_2\text{H}_3\text{O}_2\text{-CsNO}_3\text{-LiC}_2\text{H}_3\text{O}_2$	71.5-4-24.5	4419
126	$\text{LiNO}_2\text{-NaNO}_2\text{-NaNO}_3$	55-12-33	4114
126	$\text{LiNO}_2\text{-RbNO}_3$	37.5	4249
130	$\text{AlCl}_3\text{-HfCl}_4\text{-NaCl}$	46.5-4-49.5	4377
130+3	$\text{AlCl}_3\text{-NaCl-WCl}_6$	48-50-2	4359
130	$\text{LiNO}_2\text{-LiNO}_3\text{-NaNO}_3$	60-5-35	4114
132	$\text{KNO}_3\text{-LiNO}_3$	58.8	4307
132	$\text{LiNO}_2\text{-RbNO}_3$	65	4249
133	$\text{LiNO}_2\text{-NaNO}_3$	65	4114
134	$\text{KNO}_3\text{-LiNO}_3$	58.8	4127
135	$\text{Cd}(\text{NO}_3)_2\text{-NaNO}_3$	52.9	4102
135	$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	76	4163
135	$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiNO}_3$	85.1	4419
135	$\text{CsNO}_3\text{-LiC}_2\text{H}_3\text{O}_2\text{-LiNO}_3$	39-11-50	4419
135	$\text{NaCl-RbNO}_3\text{-TlBr}$	17-79-4	4168
136.5	$\text{LiNO}_3\text{-TlNO}_3$	31	4127
137	$\text{AlCl}_3\text{-HfCl}_4\text{-NaCl}$	46.5-2-51.5	4377
137	$\text{LiC}_2\text{H}_3\text{O}_2\text{-LiNO}_3\text{-NaNO}_3$	49.5-42.5-8	4401
138+2	$\text{AlCl}_3\text{-MoCl}_5\text{-NaCl}$	47-3.0-50	4110
138	$\text{CsC}_2\text{H}_3\text{O}_2\text{-CsNO}_3\text{-LiC}_2\text{H}_3\text{O}_2$	16.5-8.5-75	4419
140	$\text{KNO}_3\text{-NaCNS}$	63.5	4151
140+2	$\text{AlCl}_3\text{-MoCl}_5\text{-NaCl}$	48.5-3.0-48.5	4110
140	$\text{NaNO}_2\text{-TlNO}_2$	~18	4403
141	$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	31-60-9	4269
142	$\text{Sr}(\text{NO}_2)_2\text{-TlNO}_2$	12.7	4108

Eutectic M.P., °C	System	Composition mol %	Reference No.
144	$\text{KC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	8-33-59	4228
144+2	$\text{FeCl}_3\text{-NaCl-WCl}_6$	~48-48-4	4359
145	$\text{InCl}_2\text{-ZnCl}_2$	57.6	4179
145	$\text{LiC}_2\text{H}_3\text{O}_2\text{-LiNO}_3$	51	4401
145	$\text{NaC}_2\text{H}_3\text{O}_2\text{-NaNO}_3\text{-RbNO}_3$	10-38.5-51.5	4269
147	$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiNO}_3$	21.8	4419
148	$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2\text{-NaNO}_3$	51-35.3-13.5	4401
148	$\text{LiNO}_3\text{-RbNO}_2$	67.5	4249
151	$\text{LiNO}_2\text{-NaNO}_2$	62.5	4114
152	$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	15.5-35-49.5	4269
~153	$\text{AgIO}_3\text{-AgNO}_3$	~26.1	4340
154	$\text{Ca(NO}_2)_2\text{-NaNO}_2\text{-NaNO}_3$	26.6-32.9-40.5	4113
154	$\text{LiNO}_3\text{-RbNO}_3$	32	4325
154	$\text{SnCl}_2\text{-TaCl}_5$	69.5	4112
156.7	$\text{KNO}_3\text{-NH}_4\text{NO}_3$	21.3	4246
157	$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	9-57-34	4400
157	$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	41-32-27	4400
158	$\text{Ca(NO}_2)_2\text{-TiNO}_2$	8.1	4108
158	$\text{KCl-NbCl}_5\text{-ZrCl}_4$	17-44-39	4062
158	$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	44-31-25	4400
160	$\text{AlCl}_3\text{-TiCl}_4$	70.5	4412
160	$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	57	4401
162	$\text{CsNO}_2\text{-TiNO}_2$	25	4403
164.4	$\text{AlCl}_3\text{-POCl}_3$	~41	4414
165	$\text{Ba(NO}_2)_2\text{-TiNO}_2$	8.1	4108
165	$\text{Ca(NO}_2)_2\text{-Ca(NO}_3)_2\text{-NaNO}_3$	35.1-12.1-52.7	4113
168	$\text{Ba(NO}_2)_2\text{-Ba(NO}_3)_2\text{-LiNO}_2$	15.2-4.2-80.6	4416
168	$\text{KNO}_2\text{-TiNO}_2$	25	4403
170	$\text{Ca(NO}_2)_2\text{-RbNO}_3$	19.7	4384
170	CuI-InI_3	5	4099
170	KOH-NaOH	50.6	4011
172	$\text{NH}_4\text{Cl-SnCl}_2$	19	4016
173	$\text{AgNO}_3\text{-LiNO}_3$	76	4127
173	$\text{CdI}_2\text{-CsBr}$	56.9	4247
173	$\text{NH}_4\text{Cl-SnCl}_2$	42	4016
174	CsCl-SnCl_2	17	4016
174	$\text{CsNO}_3\text{-LiNO}_3$	43	4325
176	KCl-SnCl_2	52	4016
176	$\text{LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	26	4163

Eutectic M.P., °C	System	Composition mol %	Reference No.
178	$\text{Ca}(\text{NO}_3)_2\text{-LiNO}_2\text{-LiNO}_3$	10.5-71.8-17.7	4296
178	$\text{Ca}(\text{NO}_3)_2\text{-RbNO}_2$	17.6	4384
178.5	$\text{NaNO}_3\text{-RbNO}_3$	44	4325
179	$\text{NaC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	38	4269
179.5	$\text{LiNO}_3\text{-RbNO}_3$	66	4325
180	$\text{Ca}(\text{NO}_2)_2\text{-NaNO}_3$	36.8	4113
180	KCl-NaCl-TaCl_5	20-30-50	4022
180	$\text{NH}_4\text{Cl-ZnCl}_2$	48.5	4179, 4180
180	$\text{RbNO}_2\text{-LiNO}_2$	75	4403
180	$\text{SnCl}_2\text{-ZnCl}_2$	58.2	4179
181	$\text{KC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	64	4400
181	$\text{RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	35.5	4269
182	$\text{Ba}(\text{NO}_2)_2\text{-LiNO}_2$	20.5	4416
182	$\text{LiClO}_4\text{-NH}_4\text{ClO}_4$	69.5	4369
183	$\text{NH}_4\text{Cl-SnCl}_2$	20	4164
184	$\text{CeCl}_3\text{-NaCl-SnCl}_2$	2-22-76	4010
186	NaCl-SnCl_2	28	4010
186	$\text{NH}_4\text{Cl-SnCl}_2$	40	4164
190	AgCl-TlBr	60	4259
190	KCl-NaCl-NbCl_5	22-28-50	4022
193	$\text{LiNO}_2\text{-LiNO}_3$	75	4416
193	$\text{LiNO}_3\text{-NaNO}_3$	54	4127
193	TlCl-ZnCl_2	41.8	4179
195	$\text{AlCl}_3\text{-HfCl}_4\text{-KCl}$	22.5-46.2-31.3	4377
196	$\text{LiNO}_3\text{-NaNO}_3$	55	4114
197	$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaNO}_3$	85	4401
198	$\text{RbC}_2\text{H}_3\text{O}_2\text{-RbNO}_3$	81.5	4269
198	RbCl-SnCl_2	18	4016
200	$\text{Ca}(\text{NO}_2)_2\text{-NaNO}_2$	32.4	4113
200	$\text{CdI}_2\text{-CsI}$	55.6	4247
200	KCl-SnCl_2	20	4016
200	$\text{K}_2\text{CrO}_4\text{-KOH-LiOH}$	6-69-25	4149
~200	$\text{LiNO}_2\text{-LiNO}_3$	~70	4249
200	$\text{NaC}_2\text{H}_3\text{O}_2\text{-NaNO}_3$	76.5	4401
200	$\text{NH}_4\text{Cl-SnCl}_2$	56	4016
200	RbCl-SnCl_2	44	4016

Eutectic M.P., °C	System	Composition mol %	Reference No.
202	AgBr-TlCl	61	4259
202	Ca(ClO ₄) ₂ -LiClO ₄ -NaClO ₄	11.2-66.8-22	4111
202	Ca(NO ₃) ₂ -LiNO ₂	8.1	4296
204	LiClO ₄ -NaClO ₄	71.5	4369
205	CuCl-NbCl ₅	<23.3	4084
205	KAlCl ₄ -KCl-K ₂ NbOCl ₅	75.4-11.5-13.1	4288
207	AlCl ₃ -KCl-TaCl ₅	29-50-21	4022
207	LiClO ₄ -NaClO ₄	71.5	4111
208	Ca(NO ₃) ₂ -LiNO ₂ -LiNO ₃	30.7-61.4-7.8	4296
208	Ca(NO ₂) ₂ -LiNO ₃	31.1	4296
208	SnCl ₂ -TaCl ₅	11.1	4112
210	GaCl ₃ -KCl	49	4254
210	LiOH-NaOH	30	4268
210	RbNO ₃ -Sr(NO ₃) ₂	84.8	4167
211	AlCl ₃ -KCl-NbCl ₅	29-50-21	4022
213	Ca(NO ₃) ₂ -LiNO ₂	33.3	4296
214	KAlCl ₄ -K ₂ NbOCl ₅	86.8	4288
214	KNO ₃ -KOH	68.5	4272
214	NH ₄ Cl-TaCl ₅	~4	4280
215	BiCl ₃ -ZnCl ₂	89.1	4179, 4180
215	CuCl-TaCl ₅	<28.3	4084
215	KCl-TaCl ₄	49	4266
216	KCl-MgCl ₂ -ZrCl ₄	36.5-3.5-60	4378
217	KNO ₂ -Sr(NO ₂) ₂	~46.1	4258
218	AgCl-TlCl	~56.1	4259
218	NaNO ₂ -Sr(NO ₂) ₂	71	4258
219	LiClO ₄ -NaClO ₄	78.2	4111
220	KNO ₃ -KOH	32	4272
220	NaCl-TaCl ₃	55	4257
222	GaCl ₃ -NH ₄ Cl	~35	4254
222	KC ₂ H ₃ O ₂ -LiC ₂ H ₃ O ₂	15.5	4400
223	FeCl ₂ -LaCl ₃ -SnCl ₂	6-2-92	4010
224	KNO ₂ -NaNO ₂	35	4102
224	NaCN-NaOH	31	4350
224.5	NaI-NaOH	19.4	4350
226	AgBr-TlBr	~62	4259
226	Ca(NO ₃) ₂ -NaNO ₃	30.3	4113
226	CeCl ₃ -FeCl ₂ -SnCl ₂	2-6-92	4010
226	CsC ₂ H ₃ O ₂ -LiC ₂ H ₃ O ₂ -RbC ₂ H ₃ O ₂	11.5-85-3.5	4163

Eutectic M.P., °C	System	Composition mol %	Reference No.
226	$\text{LiC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	81.5	4401
228	$\text{KC}_2\text{H}_3\text{O}_2\text{-NaC}_2\text{H}_3\text{O}_2$	55	4228, 4400
228	$\text{NH}_4\text{Cl-ZnCl}_2$	27	4179, 4180
230	$\text{Ba(NO}_3)_2\text{-LiCl-LiNO}_3$	4.6-15.4-80	4015
230	$\text{FeCl}_2\text{-SnCl}_2$	6	4010
230	KCl-TaCl_3	~50	4257
230	$\text{NaNO}_2\text{-NaOH}$	77	4272
232	$\text{Ca(NO}_3)_2\text{-NaNO}_3$	29.8	4102
232	$\text{RbNO}_2\text{-Sr(NO}_2)_2$	78.8	4258
233	$\text{NaNO}_2\text{-NaNO}_3$	60	4114
235	$\text{NaNO}_2\text{-NaNO}_3$	50	4113
236	$\text{LiC}_2\text{H}_3\text{O}_2\text{-RbC}_2\text{H}_3\text{O}_2$	88.5	4163
237	$\text{LaCl}_3\text{-SnCl}_2$	2.3	4010
237	$\text{RbNO}_2\text{-Sr(NO}_2)_2$	40	4258
239	$\text{AlCl}_3\text{-HfCl}_4\text{-KCl}$	48-1-51	4377
239	$\text{NaNO}_2\text{-NaOH}$	27	4272
240	$\text{CeCl}_3\text{-SnCl}_2$	2.5	4010
240	$\text{CsC}_2\text{H}_3\text{O}_2\text{-LiC}_2\text{H}_3\text{O}_2$	12	4163
240	PbS-SnS	~17	4074
240	$\text{SnCl}_2\text{-SnS}$	97.2	4074
243	$\text{NH}_4\text{Cl-TaCl}_5$	70	4280
244	$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2	4416
244	$\text{SnCl}_2\text{-YCl}_3$	89.6	4409
~244	RbCl-WCl_5	~1.5-2	4292
245	$\text{CsNO}_3\text{-LiC}_2\text{H}_3\text{O}_2$	9.8	4419
248	$\text{AlCl}_3\text{-TiCl}_4$	40.6	4412
248	$\text{CsNO}_2\text{-Sr(NO}_2)_2$	~82.3	4258
251	$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2.8	4225b
252	AgCl-CuCl	45.7	4033
252	$\text{Ba(NO}_2)_2\text{-Ba(NO}_3)_2$	94	4418
252	$\text{Ba(NO}_3)_2\text{-LiNO}_3$	2.6	4015b
255	CsCl-NbOCl_3	40	4291
255	CsCl-TaCl_4	52	4244
258	AgCl-CuCl	48.9	4033
260	$\text{InCl}_3\text{-TiCl}_4$	48	4061
260	$\text{PbBr}_2\text{-PbI}_2$	53	4158
261	$\text{PbCl}_2\text{-ZnCl}_2$	9.1	4179
262	$\text{CdCl}_2\text{-ZnCl}_2$	>99	4179, 4180
262	CsBr-LiBr	37.5	4374
263	$\text{Ba(NO}_2)_2\text{-TiNO}_2$	97	4108
263	$\text{Na}_2\text{CO}_3\text{-Na}_2\text{O-NaOH}$	6.5-7.4-86.1	4393
268	LiCl-LiOH	42	4268

Eutectic M.P., °C	System	Composition mol %	Reference No.
270	NaCl-TaCl ₄	55	4266
272	InCl ₃ -NaCl	49	4038
273	CsCl-TaCl ₃	54	4257
274	LiCl-LiOH	34.5	4268
275	CsCl-WCl ₅	~2	4292
277	KCl-LiCl-PbCrO ₄	36.3-50-13.6	4295
278	KBr-LiBr-PbBr ₂	43-40.7-16.3	4079
281	NaNO ₃ -TlCl	91	4426
282	KBr-LiBr-PbBr ₂	43.6-30.8-25.6	4079
283+1	Na ₂ CO ₃ -NaOH	7.2	4393
284	CsNO ₂ -Sr(NO ₂) ₂	~40	4258
~284	RbCl-TaCl ₄	~53	4244
287	Ba(NO ₃) ₂ -KNO ₃	12.7	4225b
289	KBr-LiBr-PbBr ₂	15-18.3-66.6	4079
290	GaCl ₃ -TlCl	32	4254
290	KCl-NbCl ₅ -ZrCl ₄	51-47-2	4062
291	KNO ₃ -RbNO ₃	30	4325
292	Cs ₂ CO ₃ -CsOH	10.3	4263
292	InCl ₃ -TlCl	50	4224
294	Ba(NO ₃) ₂ -NaNO ₃	6.4	4225b
296	NaI-NaNO ₃	14	4349
297	CdBr ₂ -KBr	36	4124
297	NaCl-NaNO ₃	6.5	4349
298	Ba(NO ₃) ₂ -NaNO ₃	6.4	4090
298	KBr-PbI ₂	47.3	4158
300	CdBr ₂ -KBr	37	4124
300	RbCl-TaCl ₃	>55	4257
303	Na ₂ Cr ₂ O ₇ -Rh ₂ Cr ₂ O ₇	78	4365
304	CdBr ₂ -KBr	38	4180
304	NaBF ₄ -NaF	18.7	4278
305.5	KNO ₃ -TlCl	88.9	4426
306	KBr-PbI ₂	27.6	4158
306	PbCl ₂ -PbI ₂	24	4179, 4180
307	KBF ₃ OH-KBF ₄	91.5	4304
307	NaI-PbI ₂ -TlI	9.1-65.3-25.6	4379
308	KBr-LiCl-PbBr ₂	13.7-14.6-71.7	4227
309	KI-PbBr ₂	44.9	4158
310	KBr-KCl-LiBr-LiCl	28.5-9.5-46.5-15.5	4159
310	KBr-KCl-LiBr-LiCl-NaBr-NaCl	29.7-5.2-49.3-8.7-5.9-1	4159

Eutectic M.P., °C	System	Composition mol %	Reference No.
312	CsAlCl ₄ -CsCl-Cs ₂ NbOCl ₅	75-10-15	4288
313	Ba(ClO ₄) ₂ -NaClO ₄	40	4369
314	Ba(ClO ₄) ₂ -Ca(ClO ₄) ₂	43	4369
314	KBr-KCl-LiBr-LiCl	21.3-37.7-34.8-6.1	4159
314	KBr-LiCl-PbBr ₂	42.6-24-33.3	4227
315	CdBr ₂ -CsI	45.5	4247
315	Cs ₂ Cr ₂ O ₇ -Na ₂ Cr ₂ O ₇	21	4365
316	InCl ₃ -KCl	47.5	4224
316	InCl ₃ -NaCl	78	4038a
316	KBr-LiCl-PbBr ₂	45.4-31.9-22.7	4227
317	Na ₂ Cr ₂ O ₇ -Rb ₂ Cr ₂ O ₇	25	4365
318	Li ₂ CrO ₄ -LiOH	29	4149
320	BaCl ₂ -KCl-LiCl	5.43-40.92-53.65	4421
320	CdCl ₂ -KCl-PbCl ₂	~43-22-34.8	4402
320	CsAlCl ₄ -Cs ₂ NbOCl ₅	79.5	4288
320	KCl-LiBr-NaBr	38-55-7	4159
320	KCl-LiCl-PbCl ₂	39.2-33.6-27.1	4076
320	KI-PbBr ₂	13.1	4158
321	CdCl ₂ -LiCl-PbCl ₂	31.4-18.2-50.5	4055
321	KCl-LiCl-PbCl ₂	43.2-42.6-14.2	4076
321	KI-PbI ₂	31.9	4158
322	KBF ₃ OH-KF	98.7	4304
322	LiBr-PbBr ₂	20.9	4017, 4077
322.5	KBr-LiBr	61.5	4206
323	KNO ₂ -KNO ₃	20	4115
324	CdCl ₂ -KCl-LiCl	22.7-46.6-30.7	4070
324	KBr-LiBr-NaBr	35-57.5-7.5	4013
<325	B ₂ O ₃ -ThO ₂	>98	4142
327	BeF ₂ -KF	58	4455
327	Cs ₂ Cr ₂ O ₇ -Na ₂ Cr ₂ O ₇	74	4365
327	KCl-LiBr	39	4159
327	NaI-PbI ₂ -TlI	5.5-43.9-48.9	4379
328	MnCl ₂ -TlCl	21.5	4320
328.5	KNO ₃ -TlBr	97.2	4426
329	CdBr ₂ -CsI	64.6	4247
330	KBr-PbBr ₂	17.3	4158
~330	Na ₂ CO ₃ -Na ₂ SO ₄	~66.5	4040
332	CdCl ₂ -KCl-PbCl ₂	~20.7-52-27.3	4402
333	CdCl ₂ -KCl-PbCl ₂	~26.6-33.6-39.7	4402

Eutectic M.P., °C	System	Composition mol %	Reference No.
334	KBr-LiBr	38	4013, 4018
337	CdCl ₂ -KCl-LiCl	2.6-42-55.4	4070
338	CaF ₂ -KCl-LiCl	1.8-42.2-56	4035
339	BeF ₂ -NaF-UF ₄	43.5-56-.5	4039
339	K ₂ CrO ₄ -Li ₂ CrO ₄ -LiOH	10-43-47	4149
340	BeF ₂ -NaF	64	4281
340	CdCl ₂ -KCl-PbCl ₂	~25.2-53.1-21.3	4402
340	KBr-LiCl-NaCl	35-57.5-7.5	4159
340	NaI-PbI ₂ -TlI	7.2-20.5-72.2	4379
342	LiBr-TlBr	41.5	4082
342±3	BaCl ₂ -CdCl ₂ -KCl-LiCl-NaCl	11.4-52.7-17.9-9.4-8.6	4136
343	BeF ₂ -NaF	44	4281
345	BeF ₂ -NaF-UF ₄	56-43.5-.5	4039
345	CdBr ₂ -KBr	54.5	4180
346	BeF ₂ -KF	72	4455
346	KCl-LiCl-LiF	40.5-56-3.5	4105
347	CdCl ₂ -KCl-LiCl	11.7-44.7-43.6	4070
347	CsNO ₃ -TlCl	70.6	4426
348	KCl-LiCl-NaCl	38-8.5-53.5	4029
348	KCl-LiCl	42	4028
350	AgBr-CuBr	58	4048
350	CsCl-SnCl ₂	63	4016
350	LiCl-Li ₂ CrO ₄	83	4150
352	KCl-LiCl	42	4128
352	KCl-LiCl	43	4035
354	AgCl-Ag ₂ CrO ₄	59.6	4150
354	KBr-PbBr ₂	48.1	4158
354	KCl-LiCl	42	4075, 4029, 4018
354	KCl-LiCl	42.5	4105
354	KCl-LiCl-PbCl ₂	18.6-26.3-55	4076
355±1	CdCl ₂ -KCl-NaCl	59.6-22.2-18.2	4136
358	K ₂ CrO ₄ -KOH	8.1	4149
358	KI-PbI ₂	52.9	4158
360	CdCl ₂ -KCl-LiCl	37.9-28.9-33.1	4070
360	K ₂ CrO ₄ -KOH	7.8	4272
360	KBr-LiCl	39	4159
360	NaCl-YCl ₃	45	4036
361	CdBr ₂ -CsCl	68.1	4245

Eutectic M.P., °C	System	Composition mol %	Reference No.
362	$\text{Ca}(\text{ClO}_4)_2\text{-KClO}_4$	80	4369
362	$\text{CdCl}_2\text{-CsCl-PbCl}_2$	46.7-13.1-40.2	4355
365	CuCl-InCl_3	10	4224
365	KCl-NbOCl_3	30	4291
366	NaCl-ThCl_4	72	4289
366	TlCl-TlCl_3	74.4	4298
367	$\text{CdBr}_2\text{-NaBr}$	52	4124
367	$\text{CdBr}_2\text{-NaBr}$	47	4124
368	$\text{KCl-K}_2\text{Cr}_2\text{O}_7$	25	4256
370	$\text{CdCl}_2\text{-PbCl}_2$	37	4055
370	CsCl-NaCl-PhCl_2	14.9-19.8-65.3	4098
371±1	$\text{CaCl}_2\text{-KCl-NaCl-PbCl}_2$	18.1-5.8-23.3-52.8	4136
372	AgCl-InCl_3	~40	4224
373	$\text{CdBr}_2\text{-CsBr}$	61.9	4245, 4247
373	$\text{K}_2\text{CrO}_4\text{-Li}_2\text{CrO}_4\text{-LiOH}$	19-63.5-17.5	4149
375	CsCl-NbOCl_3	~28	4178
377	$\text{AgCl-Ag}_2\text{S}$	64.2	4215
378	CsCl-GaCl_3	58	4254
378	$\text{DyCl}_3\text{-NaCl}$	55	4286
380	$\text{CsNO}_3\text{-TlBr}$	85.2	4426
380	$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)\text{-V}_2\text{O}_5$	39	4037
380	$\text{Rb}_2\text{O-V}_2\text{O}_5$	41	4389
385	$\text{CdBr}_2\text{-CsI}$	26.2	4247
387	$\text{CdCl}_2\text{-KCl-LiCl}$	13.6-18.2-68.2	4070
388	$\text{CsNO}_3\text{-TlI}$	90.9	4426
388	LiCl-PbCrO_4	72.6	4295
390	$\text{InCl}_3\text{-TlCl}$	6.4	4061
390	KCl-NaCl-NbCl_5	49-2-49	4371
390	NaCl-SmCl_3	51	4248
392	LiCl-TlBr	~23	4082
393	$\text{Ba}(\text{ClO}_4)_2\text{-KClO}_4$	71	4369
393	$\text{Ca}(\text{NO}_2)_2\text{-Ca}(\text{NO}_3)_2$	94	4113
393	$\text{K}_2\text{CO}_3\text{-Li}_2\text{CO}_3\text{-Na}_2\text{CO}_3$	26.8-42.5-30.6	4392
395	$\text{CaCl}_2\text{-NaCl-YCl}_3$	5-51-44	4409
395	$\text{Na}_2\text{CrO}_4\text{-Rb}_2\text{CrO}_4$	98.5	4060
396	$\text{GdCl}_3\text{-NaCl}$	60	4286
396	$\text{KCl-MgCl}_2\text{-NaCl}$	20-50-30	4118
397	$\text{CdI}_2\text{-CsBr}$	25.8	4247
397	NaCl-ThCl_4	56	4289
397±1	$\text{K}_2\text{CO}_3\text{-Li}_2\text{CO}_3\text{-Na}_2\text{CO}_3$	25-43.5-31.5	4071

Eutectic M.P., °C	System	Composition mol %	Reference No.
399	KCl-NaCl-PbCl ₂	35-17-48	4343
400	InCl ₃ -TlCl	8	4224
400	KCl-MgCl ₂ -YCl ₃	67.5-30-2.5	4409
400	LiBr-LiH	71	4253
~400	NbOCl ₃ -RbCl	~62	4178
402	KCl-MgCl ₂ -YCl ₃	47-28-25	4409
405	CdCl ₂ -CsBr	28.6	4245
406	LiCl-PbCl ₂	36	4017, 4075, 4456, 4457
408	CdBr ₂ -CsCl	43.4	4245
408	KCl-MgCl ₂ -YCl ₃	42.5-37.5-20	4409
410	CdBr ₂ -CsCl	31.6	4245
410	CdI ₂ -CsI	29	4247
410	KBF ₄ -KF	10	4278
410	NaCl-PbCl ₂	28.3	4098
411	CdCl ₂ -CsBr	73.9	4245
415	Ag ₂ CrO ₄ -Li ₂ CrO ₄	60	4150
415	DyCl ₃ -KCl	50	4286
415	K ₂ CrO ₄ -Li ₂ CrO ₄	26	4149
416	AgBr-AgCl	74.1	4107
417	LiCl-ThCl	65	4289
418	BaCl ₂ -MgCl ₂ -NaCl	13.8-39.9-46.2	4202, 4357
418	CdCl ₂ -CsCl-PbCl ₂	20.2-69.3-10.5	4355
418	Na ₂ CrO ₄ -Rb ₂ CrO ₄	98	4060
420	CdCl ₂ -CsBr	42.8	4245
420	CsCl-Cs ₂ SO ₄ -PbCl ₂	4.9-45.8-49.3	4356
420	CsCl-PbCl ₂ -PbSO ₄	18.2-80.9-9	4356
420	CsI-NaCl-NaI	~47.5-7.2-45.3	4247
~420	KF-ZrF ₄	~58	4183
421	CdBr ₂ -CsBr	42.8	4245
421	CdBr ₂ -CsBr	42.3	4247
422	CsCl-NaCl-PbCl ₂	59.3-17.3-23.4	4098
422	CsCl-PbCl ₂	56	4356
423	KCl-YbCl ₃	55	4160
423	K ₂ SO ₄ -TlCl	2	4059
423	TlBr-TlCl	40	4056, 4259
424	AgCl-Li ₂ CrO ₄	99	4150
425	CsF-ZrF ₄	58	4219
425	KCl-MgCl ₂	66.6	4378b
425	NaCl-YCl ₃	55	4409
426	MgCl ₂ -ZrCl ₄	3.45	4378a
427	Li ₂ CrO ₄ -LiOH	47	4149

Eutectic M.P., °C	System	Composition mol %	Reference No.
428	CsI-NaI	51.5	4247
428	KCl-MnCl ₂	66	4320
428	NaI-TlI	12.5	4379a
429	KCl-Na ₂ SO ₄ -TlBr	7.53-.45-92.01	4385
430	Bi ₂ O ₃ -PbO-V ₂ O ₅	1-49.5-49.5	4085
430	KCl-MgCl ₂	66	4335
430	KCl-YCl ₃	50	4036
432	KCl-ThCl ₄	48	4289
433	CsCl-CsI-NaCl	~45.5-32.2-22.3	4247
433	CsCl-Cs ₂ SO ₄ -PbCl ₂	57.6-13.2-29.2	4356
436	KCl-YCl ₃	56	4409
436	MnCl ₂ -RbCl	29	4320
440	LiCl-TeO ₂	23.8	4128
440	PbCl ₂ -SnS	82.6	4074
441	KBF ₄ -KF	76	4304
441	KCl-MgCl ₂ -YCl ₃	59-38-3	4409
442	BaCl ₂ -NaCl	36.8	4202
442	CdBr ₂ -CsBr	25	4245, 4247
442	Li ₂ CO ₃ -LiOH	10.2	4408
442	MgCl ₂ -NaCl	43.8	4357
445	CsCl-PbCl ₂	18.2	4098
447	CsCl-NaI	75	4247
447	KBF ₄ -ZrO ₂	90	4194
448	LiBr-LiF	75	4098
448	Na ₂ SO ₄ -TlBr	.5	4058
449	KCl-MnCl ₂	36	4320
450	LiCl-LiH	68	4253
450	Li ₂ CrO ₄ -LiOH	63.9	4149
451+1	B ₂ O ₃ -SiO ₂	~1	4405
453	LiBr-LiF	70.7	4309
453	PbCl ₂ -PbS	75	4073
454	BaCl ₂ -CaCl ₂ -NaCl	17-47-36	4344
454	LiCl-LiF-LiH	56-23-21	4252
454	MnCl ₂ -RbCl	33	4320
455	KCl-MgCl ₂ -ZrCl ₄	45.5-52.7-1.8	4378
455	Li ₂ MoO ₄ -Li ₄ P ₂ O ₇ -Na ₄ P ₂ O ₇	64.9-33.8-1.3	4376
458	CdCl ₂ -CsCl	71	4007
460	CaCl ₂ -KCl-MgCl ₂ -NaCl	41.6-2.2-8.8-47.4	4181

Eutectic M.P., °C	System	Composition mol %	Reference No.
460	$\text{Cu}_2\text{S}-\text{FeS}-\text{Na}_2\text{S}$	22.6-13.2-64.2	4293
460	$\text{KCl}-\text{SmCl}_3$	40	4248
460	$\text{MnCl}_2-\text{RbCl}$	69	4320
460	$\text{MnCl}_2-\text{TlCl}$	62	4320
462	CrCl_2-KCl	41.5	4432
464	$\text{KCl}-\text{NbOCl}_3$	68.5	4291
464	$\text{LiCl}-\text{LiF}-\text{NaCl}$	63.5-19-17.5	4226
464	$\text{RbCl}-\text{SmCl}_3$	55	4248
465	$\text{CsF}-\text{ZrF}_4$	45	4219
466	$\text{Li}_2\text{MoO}_4-\text{Na}_2\text{MoO}_4$	51	4376
467	$\text{KCl}-\text{MgCl}_2$	42	4378b
468	$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3)-\text{V}_2\text{O}_5$	21.5	4037
468	$\text{KCl}-\text{KF}-\text{LiF}$	6.5-47.5-46	4105
469	$\text{TeO}_2-\text{V}_2\text{O}_5$	75.5	4191
470	$\text{CdCl}_2-\text{CsCl}$	21.9	4007
470	CrCl_2-KCl	33.3	4432
470	$\text{KCl}-\text{MgCl}_2$	48.5	4335
474	CrCl_2-KCl	60	4432
474	$\text{HgCl}_2-\text{PbCl}_2$	9.5	4315
475	$\text{BaCl}_2-\text{KCl}-\text{MgCl}_2-\text{NaCl}$	8.7-52.3-18.2-20.7	4181
475	$\text{NaI}-\text{RbI}$	50	4383
476	$\text{CsCl}-\text{PbCl}_2$	71.8	4356
477	$\text{KF}-\text{K}_4\text{P}_2\text{O}_7-\text{LiF}$	43.6-3.4-53	4360
478	$\text{PbCl}_2-\text{PbSO}_4$	4	4356
480	$\text{Cu}_2\text{S}-\text{Na}_2\text{S}$	38.4	4043
480	$\text{Cs}_2\text{MoO}_4-\text{Na}_2\text{MoO}_4$	42.5	4413
480	$\text{NaCl}-\text{ScCl}_3$	62	4187
482	$\text{KCl}-\text{MgCl}_2-\text{ZrCl}_4$	68.6-18.6-12.8	4378
482	$\text{KCl}-\text{SmCl}_3$	44	4160
484	$\text{LiCl}-\text{Li}_2\text{SO}_4$	64.4	4008
485	$\text{LiCl}-\text{LiF}$	73.6	4309
486	$\text{BeF}_2-\text{NaF}-\text{UF}_4$	17-72.5-10.5	4039
486	$\text{LiCl}-\text{LiH}$	63	4252
487	$\text{KF}-\text{LiF}$	50	4360
488	$\text{CdCl}_2-\text{CsCl}$	36	4007
488	$\text{CsCl}-\text{PbCl}_2$	70.5	4098
488	$\text{KCl}-\text{SmCl}_3$	~50	4014
488	$\text{K}_2\text{CO}_3-\text{Li}_2\text{CO}_3$	38	4071

Eutectic M.P., °C	System	Composition mol %	Reference No.
488	LiCl-LiF	70	4098
490	BaCl ₂ -LiCl-NaCl	19.7-61.7-19.6	4095
490	KCl-SmCl ₃	25	4248
490	Na ₂ O-TiO ₂ -V ₂ O ₅	57.5-2-40.5	4025
490	SrI ₂ -Sr ₃ N ₂	99.5	4431
492	CaF ₂ -LiCl	17.6	4035
492	KF-LiF	50	4334
492	KF-LiF	50.5	4105
492	NaCl-K ₂ ZrF ₆	32	4177
493	CsCl-NaCl	66	4023, 4098
493	CsCl-PbCl ₂	54.5	4098
494	GdCl ₃ -KCl	55	4286
495	NaBr-RbBr	45	4383
495.6	LiCl-LiH	66	4004
497	CsI-NaCl	65	4247
498	K ₂ CO ₃ -Li ₂ CO ₃	57.3	4071
498	LiCl-LiF	70	4105
498	Rb ₂ O-V ₂ O ₅	21	4389
500	CdCl ₂ -LiCl	60	4055
500	CdCl ₂ -LiCl	63-64	4434
500	CuI-InI ₃	92.5	4099
500	Li ₂ CO ₃ -Na ₂ CO ₃	52	4071
501	LiCl-LiF	69.5	4301
502	CsCl-CsI	53	4247
502	Li ₂ SO ₄ -Ti ₂ SO ₄	24.5	4006
503	NaF-ZrF ₄	58	4443
505	CsCl-NbOCl ₃	70.9	4291
506	BaBr ₂ -Ba(NO ₃) ₂	39	4091
507	LiBr-NaBr	83	4013
508	Cs ₂ CrO ₄ -PbCrO ₄	61	4415
508	NaCl-VC1 ₃	63	4104
510	BaCl ₂ -LiCl	34.9	4015a
510	CsCl-Cs ₂ NbOCl ₅	40	4288
510	CsCl-SbCl ₃	67.5	4388
510	CsCl-SmCl ₃	55	4248
510	DyCl ₃ -KCl	88.5	4286
510	K ₂ MoO ₄ -Li ₂ MoO ₄ -Li ₄ P ₂ O ₇	34.3-64.6-1	4410
510	NaF-ZrF ₄	52	4443
511	BaCl ₂ -CaCl ₂ -CaF ₂ -KCl	21.1-62.7-7.1-9.2	4065

Eutectic M.P., °C	System	Composition mol %	Reference No.
512	BaCl ₂ -LiCl	25	4095
512	CsCl-NaI	23	4247
512	Rb ₂ O-V ₂ O ₅	54	4389
513	K ₂ MoO ₄ -Li ₂ MoO ₄	32.5	4410
514	KBr-K ₂ CO ₃ -KF	41.2-25-33.7	4063
514	LiBr-NaBr	21	4206
515	NaCN-NaI	69.6	4350
~515	NbOCl ₃ -RbCl	~48	4178
516	CsI-KI	55	4382
516	KCl-NaCl-TaCl ₃	60.2-10-29.8	4267
517	BaCl ₂ -BaF ₂ -KCl-NaCl	27.7-1-36.4-34.9	4422
518	KBr-K ₂ CO ₃ -NaF	39.7-32.5-27.8	4063
520	CsBr-SbBr ₃	85	4388
520	CsCl-SbCl ₃	82.5	4388
520	KCl-TaCl ₃	68	4257, 4267
520	K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇ -NaF	16.5-16.6-66.8	4009
520	Na ₂ O-TiO ₂ -V ₂ O ₅	39-.2-60.8	4025
521	LiBr-LiCl	58.1	4309
522	LiBr-LiCl	60	4081, 4097
522	LiBr-LiCl	59	4107
523	CrCl ₂ -RbCl	24.5	4432
524	Cs ₂ CrO ₄ -PbCrO ₄	53.5	4415
524	Li ₂ SO ₄ -PbSO ₄ -Rb ₂ SO ₄	66-14-20	4086
525	CrCl ₂ -RbCl	65.8	4432
526	Cs ₂ SO ₄ -Li ₂ SO ₄ -PbSO ₄	47.5-9-43.5	4195
526	Li ₂ SO ₄ -Tl ₂ SO ₄	73.5	4006
527	CaCl ₂ -YCl ₃	50	4409
528	KCl-Na ₂ SO ₄	58.6	4274
528	K ₂ TiF ₆ -NaCl-TiO ₂	39.1-54.9-5.9	4404
528	K ₂ TiF ₆ -NaCl	32.1	4404
530	CsCl-PbCl ₂ -PbSO ₄	41.3-42.1-16.7	4356
530	Cs ₂ CrO ₄ -Na ₂ CrO ₄	38	4060
530	Li ₂ SO ₄ -Na ₂ SO ₄ -PbSO ₄	63-26-11	4366
535	BaCl ₂ -CaCl ₂ -KCl	14-28.1-57.9	4358
535	BaCl ₂ -CaCl ₂ -CaF ₂ -NaF	30-37-7-26	4117
535	K ₂ SO ₄ -Li ₂ SO ₄	20	4180, 4305
537	CuSO ₄ -Na ₂ SO ₄	47	4109
538	BaCl ₂ -CaCl ₂ -CaF ₂ -NaF	29.5-36.6-7.1-26.7	4117
538	CrCl ₃ -LiCl	13	4216

Eutectic M.P., °C	System	Composition mol %	Reference No.
538	$\text{Cs}_2\text{O}(\text{Cs}_2\text{CO}_3) - \text{V}_2\text{O}_5$	56	4037
540	$\text{BaF}_2 - \text{KCl} - \text{KF} - \text{NaF}$	16.3-2.3-46.6-34.8	4422
540	$\text{FeCl}_2 - \text{YCl}_3$	41.5	4409
540	$\text{GdCl}_3 - \text{KCl}$	85	4286
540	$\text{Li}_2\text{SO}_4 - \text{PbSO}_4 - \text{Rb}_2\text{SO}_4$	76-11-13	4086
544	$\text{KCl} - \text{Na}_2\text{CO}_3 - \text{Na}_2\text{SO}_4$	55.6-18.4-26	4274
544	$\text{K}_2\text{CrO}_4 - \text{Li}_2\text{CrO}_4$	54	4149
545	$\text{CrCl}_2 - \text{RbCl}$	36.8	4432
545	$\text{K}_2\text{MoO}_4 - \text{Li}_2\text{MoO}_4 - \text{Li}_4\text{P}_2\text{O}_7$	58.6-40.4-1	4410
547	$\text{K}_2\text{MoO}_4 - \text{Li}_2\text{MoO}_4$	60	4410
548	$\text{CrCl}_3 - \text{KCl} - \text{NaCl}$	33.6-5-61.4	4363
548	$\text{LiCl} - \text{NaCl}$	75	4095
549	$\text{BaCl}_2 - \text{CaCl}_2 - \text{KCl}$	12.7-20.7-66.6	4358
550	$\text{BaCl}_2 - \text{KCl} - \text{MgCl}_2 - \text{NaCl}$	15.5-43.3-9.7-31.5	4181
550	$\text{CsCl} - \text{NbOCl}_3$	~82	4178
551	$\text{BaCl}_2 - \text{CaCl}_2 - \text{KCl}$	22.1-20.7-57.1	4358
551	$\text{LiCl} - \text{NaCl}$	76	4021
551	$\text{LiCl} - \text{NaCl}$	75.5	4029
552	$\text{LiCl} - \text{TeO}_2$	84	4128
552	$\text{NaPO}_3 - \text{Sm}_2\text{O}_3$	99.8	4391
553	$\text{KCl} - \text{SmCl}_2$	65	4160
555	$\text{K}_3\text{ZrF}_7 - \text{NaCl}$	20	4177
556	$\text{CsCl} - \text{TaCl}_3$	80	4257
557	$\text{LiCl} - \text{NaCl}$	77.5	4029
558	$\text{BaCl}_2 - \text{MgCl}_2$	43.25	4202, 4357
558	$\text{CeO}_2 - \text{NaPO}_3$	.55	4391
558	$\text{KCl} - \text{YbCl}_2$	27	4160
559	$\text{Ag}_2\text{SO}_4 - \text{Li}_2\text{SO}_4$	31.5	4229
560	$\text{Cs}_2\text{SO}_4 - \text{Li}_2\text{SO}_4 - \text{PbSO}_4$	8.5-80-11.5	4195
560	$\text{KBr} - \text{Na}_2\text{CO}_3 - \text{NaF}$	41.7-43.9-14.4	4063
560	$\text{KCl} - \text{YbCl}_2$	67	4160
560	$\text{RbCl} - \text{SmCl}_3$	21	4248
560	$\text{RbCl} - \text{VCl}_3$	46	4104
560	$\text{SrI}_2 - \text{Sr}_3\text{N}_2$	75	4431
562	$\text{BaF}_2 - \text{KCl} - \text{KF} - \text{NaF}$	7.7-47.4-30.6-14.2	4422
562	$\text{KCl} - \text{K}_2\text{NaAlF}_6 - \text{KF} - \text{NaF}$	48.4-.64-41.6-9.3	4423
562	$\text{KCl} - \text{K}_2\text{ZrF}_6$	5	4177
564	$\text{CsBr} - \text{KBr}$	57	4374
566	$\text{CsI} - \text{RbI}$	65	4382
566	$\text{KBr} - \text{NaCO}_3 - \text{NaF}$	53.2-34.4-12.4	4063

Eutectic M.P., °C	System	Composition mol %	Reference No.
568	CsCl-WCl ₅	89	4292
568	K ₂ CO ₃ -NaF	45.2	4063
569	CsCl-ScCl ₃	56.5	4154
570	Bi ₂ O ₃ -MoO ₃ -PbO	29-2-69	4362
570	CrCl ₃ -KCl-NaCl	23-5-72	4363
570	CrCl ₃ -NaCl	31.4	4363
570	KCl-KF-NaF	46.5-39.5-14	4423
570	MgCl ₂ -YCl ₃	40	4409
~570	NbOCl ₃ -RbCl	~23	4178
574	Cs ₂ SO ₄ -Li ₂ SO ₄ -PbSO ₄	17.5-63.5-19	4195
575	CaCO ₃ -CaF ₂ -Ca(OH) ₂	29.7-20.1-50.2	4186
576	CsCl-KBr	65	4247
576	KBr-KF	60	4063a
576	RbBr-TiBr ₃	50	4019
577	CsCl-SmCl ₃	15	4248
578	BaF ₂ -KCl-NaCl-NaF	7.9-21.4-57.7-13	4422
578	CdSO ₄ -K ₂ SO ₄ -Na ₂ SO ₄	43-18-39	4396
578	CsBr-CsI	52	4247
578	RbBr-TiBr ₂	80	4019
580	BeF ₂ -NaF	30	4281
580	BeF ₂ -ZrF ₄	80.5	4054
580	CsBr-TiBr ₂	87.5	4019
580	CsCl-Cs ₂ SO ₄	41.3	4356
580	KCl-KF-K ₂ TaF ₇	51.5-41.5-7	4068
580	KCl-VC1 ₃	48	4104
580	KI-NaI	40	4406
580	K ₂ TaF ₇ -Ta ₂ O ₅	83.5	4069
580	Li ₂ SO ₄ -Rb ₂ SO ₄	87	4086
582	CrCl ₃ -NaCl	31	4216
582	K ₂ SO ₄ -PbSO ₄ -Tl ₂ SO ₄	1.5-23-75.5	4116
582	LaF ₃ -RbF	21	4429
582	LiF-NaCl-NaF	40-24-36	4226
584	CsBr-TiBr ₃	90	4019
584	KCl-PbCrO ₄	71.8	4295
584	K ₃ AlF ₆ -KCl-KF	.7-44.6-54.7	4423
585	SrBr ₂ -Sr ₃ N ₂	89	4431
586	CsBr-KBr	65	4247
587	K ₂ SO ₄ -K ₂ S	43	4318
588	Cs ₂ SO ₄ -PbSO ₄	52	4356

Eutectic M.P., °C	System	Composition mol %	Reference No.
588	KCl-Na ₂ CO ₃	50.2	4274
589	KBr-KI	50	4158
590	Cu ₂ S-FeS-Na ₂ S	4.3-23.8-71.8	4293
590	KCl-LiF-NaF	13-48-39	4106
590	LiCl-Li ₄ P ₂ O ₇	99.5	4364
590	Li ₂ SO ₄ -Rb ₂ SO ₄	79	4086
~590	Na ₂ B ₄ O ₇ -V ₂ O ₅	35	4139
590	PbSO ₄ -Ti ₂ SO ₄	23.5	4116
590	RbCl-WCl ₅	88	4292
592	CsCl-TaCl ₄	90	4244
592	RbCl-TaCl ₃	80	4257
593	CaCl ₂ -CaO	71.3	4444
593	CrCl ₃ -NaCl	21.5	4216
593	CrCl ₃ -NaCl	21.2	4363
593	CsBr-TiBr ₃	27	4019
594	Bi ₂ O ₃ -PbO-V ₂ O ₅	29.5-69.5-1	4085
594	CsBr-RbBr	85	4374
594	Li ₂ SO ₄ -PbSO ₄ -Rb ₂ SO ₄	17-35.5-47.5	4086
596	BaBr ₂ -NaBr	42.8	4091
597	BaCl ₂ -CaCl ₂	37	4358
599	Bi ₂ O ₃ -PbO-TiO ₂	29.5-69.5-1	4067
600	CaCl ₂ -KCl	26.6	4319
600	CsCl-SmCl ₃	92	4248
600	CsF-LaF ₃	87.5	4429
600	KF-K ₄ P ₂ O ₇ -NaF	33.6-17.5-4.88	4093
600	Li ₂ SO ₄ -PbSO ₄ -Rb ₂ SO ₄	28-35-37	4086
600	Li ₄ P ₂ O ₇ -Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	5.8-84.1-10.1	4376
600	NaPO ₃ -Nd ₂ O ₃	99.5	4391
602	Bi ₂ O ₃ -MoO ₃ -PbO	15-78-7	4362
602	Bi ₂ O ₃ -PbO	29.5	4362
602	KCl-Na ₂ SO ₄	41.3	4274
604	CrCl ₃ -KCl-NaCl	6.6-47.8-45.6	4363
604	KCl-LiF-NaCl	37-13-50	4106
604	KCl-TeO ₂	23	4128
604	RbBr-TiBr ₃	90	4019
606	KCl-KF	55	4105
606	KCl-NaCl-NaF	22.5-60.5-17	4423
607	AlF ₃ -Li ₃ AlF ₆ -Na ₃ AlF ₆	54.6-27-18.3	4390
607	CeCl ₃ -FeCl ₂	35	4010
608	CsBr-TiBr ₄	<97	4019

Eutectic M.P., °C	System	Composition mol %	Reference No.
610	BaBr ₂ -Ba ₃ N ₂	12.5	4303
610	Bi ₂ O ₃ -MoO ₃ -PbO	22.5-72-5.5	4362
610	CaCl ₂ -PuCl ₃	57	4306
610	KBr-NaCl	48.5	4159
610	KCl-NaBr	47.2	4159
612	KCl-PbCrO ₄	46.1	4295
612	KF-K ₄ P ₂ O ₇ -NaF	13.8-24.1-62	4093
613	CsBr-CsCl	58.5	4245
613	CsBr-CsCl	57.5	4247
613	CsCl-ScCl ₃	6.5	4154
613	NaBr-Na ₂ CO ₃	62.5	4063
614	KCl-PbCrO ₄	34.7	4295
615	CaBr ₂ -Ca ₃ N ₂	90	4431
615	Cs ₂ SO ₄ -Na ₂ SO ₄	30	4368
~615	Na ₂ B ₄ O ₇ -V ₂ O ₅	12	4139
616	Cs ₂ SO ₄ -Li ₂ SO ₄	9	4086
617	KBr-K ₂ CO ₃	66.6	4063
617	RbBr-TiBr ₃	65	4019
617	RbCl-TaCl ₄	82	4244
618	Bi ₂ O ₃ -MoO ₃	18.5	4362, 4373
620	FeCl ₂ -LaCl ₃	72.3	4010
620	Fe ₂ (SO ₄) ₃ -Na ₂ SO ₄	18	4109
620	KF-LaF ₃	87.5	4429
620	Li ₄ P ₂ O ₇ -NaF	16.4	4009
620	NaF-RbF-Rb ₂ SO ₄	30.5-64.2-5.3	4282
621	KCl-K ₂ WO ₄	63.9	4283
622	B ₂ O ₃ -Bi ₂ O ₃	19	4397
622	KCl-K ₂ CO ₃ -K ₂ SO ₄	63-31.1-58	4273
622	KCl-K ₂ MoO ₄	63	4283
622	KCl-ThCl ₄	82	4289
623	CrCl ₃ -CsCl	5.5	4020
624	Li ₄ P ₂ O ₇ -Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	5.5-88.9-5.5	4376
625	K ₃ AlF ₆ -KCl-NaCl	3.7-40.5-55.8	4423
626	KBr-NaBr	50	4013, 4063
628	Cs ₂ SO ₄ -Li ₂ SO ₄	32	4086
629	K ₂ SO ₄ -Tl ₂ SO ₄	3	4116
630	BaF ₂ -CaF ₂ -NaCl	41.9-5.15-53	4012
630	Bi ₂ O ₃ -V ₂ O ₅	~85	4085
630	KCl-KF-NaCl-ZrF ₄	24.2-38.6-24.2-12.9	4177

Eutectic M.P., °C	System	Composition mol %	Reference No.
630	RbCl-SmCl ₃	89	4248
632	KCl-K ₂ CO ₃	61.6	4273
634	BaF ₂ -LiF-NaCl	16.3-36-47.7	4370
634	V ₂ O ₅ -ZnO	64	4241
635	Bi ₂ O ₃ -MoO ₃ -PbO	8.5-14.5-77	4362
635	CaF ₂ -KCl-NaF	.5-74.4-25.1	4361
635	CdSO ₄ -K ₂ SO ₄	43.5	4396
635	K ₂ MoO ₄ -Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	18.5-79.5-2	4375
635	Li ₂ SO ₄ -PbSO ₄	80	4006
636	Bi ₂ O ₃ -MoO ₃	27.5	4362, 4373
636	RbBr-TlBi ₄	<97	4019
637	NaCl-Na ₂ WO ₄	19	1536, 4283
638	CaI ₂ -Ca ₃ N ₂	85	4431
640	CaCl ₂ -KCl	72.4	4319
640	KBr-NaF	77.8	4063
642	NaBr-NaF	73	4063a
643	KCl-SmCl ₃	83	4160
644	KCl-SmCl ₃	83	4248
644	K ₄ P ₂ O ₇ -Na ₂ MoO ₄	4.7	4375
645	KCl-K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇	87.2-2.8-10	4364
645	KCl-SmCl ₃	82	4014
645	LiH-SrH ₂	88.8	4231
645	V ₂ O ₅ -ZnO	46	4241
646	BaCl ₂ -KCl	43.4	4358
646	CsF-ZrF ₄	90	4219
646	Cs ₂ MoO ₄ -PbMoO ₄	59	4415
646	PbCrO ₄ -Rb ₂ CrO ₄	68	4415
648	BaCl ₂ -BaF ₂ -CaF ₂ -NaF	20.4-20.4-10.5-48.6	4117
648	BaCl ₂ -NaCl	39.8	4012
648	BaFCl-LiF-NaCl	14.9-37.9-47.1	4411
648	KCl-NaF	73	4106
648	Nb ₂ O ₅ -V ₂ O ₅	~1	4261
649	K ₂ TiF ₆ -TiO ₂	83.9	4404
650	BaCl ₂ -KCl	47	4028
652	K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇ -Na ₄ P ₂ O ₇	~36-28-36	4005
652	LiF-NaF	61	4106
653	CaCO ₃ -Ca(OH) ₂	35.8	4186
654	BaCl ₂ -NaCl	39.9	4095
654	Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	94.2	4375

Eutectic M.P., °C	System	Composition mol %	Reference No.
655	RbCl-VC1 ₃	89	4104
656	CaCl ₂ -SrCl ₂	65	1537, 4453
656	KCl-K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇	74.7-18.3-7	4364
657	BaCl ₂ -KCl	26.9	4358
657	Li ₄ P ₂ O ₇ -Li ₂ TiO ₃ -K ₄ P ₂ O ₇	37.1-2-60.9	4277
658	BaCl ₂ -KCl	25	4028
658	CsBr-TiBr ₃	73	4019
658	KCl-NaCl	50	4026, 4029
658	KCl-NaCl	48.5	4106
660	BaI ₂ -Ba ₃ N ₂	80	4303
660	Cs ₂ O(Cs ₂ CO ₃)-V ₂ O ₅	72	4037
660	Na ₃ AlF ₆ -NaCl-NaF	3.2-66-30.8	4423
662	NaCl-Na ₂ WO ₄	64.4	1536, 4283
663	AlF ₃ -CsF	6	4429
664	BaF ₂ -LiF-NaCl	15.6-19.6-64.7	4370
664	B ₂ O ₃ -Bi ₂ O ₃	46	4397
664	EuH ₂ -LiH	6.8	4231
665	AlF ₃ -NaF	46.5	4308
665	KCl-YbCl ₃	85	4160
666	KCl-K ₃ ZrF ₇	77	4177
667	K ₂ MoO ₄ -Na ₂ MoO ₄	19	1585, 1691, 2249, 4375
667	MgCl ₂ -MgSO ₄	80	4335
668	Cs ₂ O(Cs ₂ CO ₃)-V ₂ O ₅	92	4037
668	LiF-NaCl	40.5	4106
668	MgWO ₄ -Na ₂ W ₂ O ₇	13	4034
669	LiH-YbH ₂	93.2	4231
670	CaF ₂ -Ca(OH) ₂	30.9	4186
670	Cu ₂ S-FeS-Na ₂ S	4.3-59.8-35.9	4293
670	LiF-NaCl	41	4226
670	PbCrO ₄ -Rb ₂ CrO ₄	41.5	4415
671	BaH ₂ -LiH	5	4231
671	KCl-YCl ₃	83	4409
671	LiF-SrF ₂	80	4334
673	CsF-YF ₃	96	4429
674	KF-NaF-ScF ₃	60-35-5	4424
675	KCl-YCl ₃	87	4036
675	K ₂ MoO ₄ -K ₄ P ₂ O ₇ -Li ₄ P ₂ O ₇	3.9-58.8-37.2	4410
676	KCl-VC1 ₃	87	4104
676	MgWO ₄ -Na ₂ W ₂ O ₇	40	4034
678	KCl-K ₂ ZrF ₆	77	4177

Eutectic M.P., °C	System	Composition mol %	Reference No.
680	$\text{Bi}_2\text{O}_3\text{-PbO-TiO}_2$	63.5-36-.5	4067
680	$\text{CoCl}_2\text{-NiCl}_2$	93	4284
680	$\text{K}_4\text{P}_2\text{O}_7\text{-Li}_4\text{P}_2\text{O}_7$	62	4005, 4009, 4277, 4410
680	LiF-NaCl	41.5	4301
680	$\text{MoO}_3\text{-PbO}$	82.5	4362
681	$\text{CrCl}_3\text{-RbCl}$	8	4020
682	RbCl-VC l_3	62	4104
683+3	$\text{Ca(PO}_3)_2\text{-KPO}_3$	14+1	4264
684	LiF-NaCl	43	4370a
685	$\text{DyCl}_3\text{-KCl}$	15	4286
686	$\text{GdCl}_3\text{-KCl}$	8	4286
688	$\text{Bi}_2\text{O}_3\text{-PbO-V}_2\text{O}_5$	3.5-64-32.5	4085
688	$\text{KCl-K}_2\text{SO}_4$	74.6	4213
688	$\text{Li}_2\text{MoO}_4\text{-Li}_4\text{P}_2\text{O}_7$	99.25	4376, 4410
690	$\text{AlF}_3\text{-NaF}$	47	4121
690	$\text{CuWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	40	4034
690	$\text{KCl-K}_2\text{SO}_4$	70.9	4319
690	$\text{K}_4\text{P}_2\text{O}_7\text{-K}_2\text{TiO}_3\text{-TiO}_2$	63.7-11.3-25	4275
692	$\text{BaI}_2\text{-Ba}_3\text{N}_2$	98	4303
692	$\text{CaF}_2\text{-KCl-LiF}$	1.26-79.5-19.24	4035
692	$\text{Cs}_2\text{WO}_4\text{-PbWO}_4$	59	4415
694	$\text{Bi}_2\text{O}_3\text{-PbO}$	64	4362
695	$\text{CaSO}_4\text{-Li}_2\text{SO}_4$	18.5	4372
695	$\text{K}_2\text{CO}_3\text{-Na}_2\text{CO}_3$	38.5	4392
696	$\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3$	76.5	4397
698	$\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3$	73.5	4397
698	$\text{K}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	60	4180
700	$\text{BeF}_2\text{-KF}$	18	4455
700	$\text{CrCl}_3\text{-KCl}$	11.5	4216
700	$\text{CrCl}_3\text{-KCl}$	10.7	4363
700	$\text{CuWO}_4\text{-Na}_2\text{W}_2\text{O}_7$	15	4034
700	$\text{KCl-K}_2\text{TaF}_7$	82.4	4068
700	$\text{Li}_4\text{P}_2\text{O}_7\text{-Na}_2\text{MoO}_4\text{-Na}_4\text{P}_2\text{O}_7$	36.6-4.9-58.5	4376
700	NaF-ScF_3	62.5	4424
700	NaF-YF_3	68	4429
700	$\text{Na}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	75	4368
704	$\text{Li}_2\text{SO}_4\text{-Rb}_2\text{SO}_4$	36	4086
705	$\text{K}_2\text{MoO}_4\text{-K}_4\text{P}_2\text{O}_7\text{-Li}_4\text{P}_2\text{O}_7$	54-29.2-16.7	4410
706	$\text{AlF}_3\text{-LiF}$	17	4429
706	$\text{Cs}_2\text{SO}_4\text{-Li}_2\text{SO}_4$	66	4086

Eutectic M.P., °C	System	Composition mol %	Reference No.
706	$K_2MoO_4-K_4P_2O_7-Na_4P_2O_7$	81.5-1.9-16.5	4375
707+5	GeO_2-PbO	27.3	4387
708	$KCl-LiF$	80	4035
708	$Li_4P_2O_7-Li_2TiO_3-K_4P_2O_7$	11.3-26.1-62.6	4277
709	$B_2O_3-Bi_2O_3$	81	4397
710	BaF_2-CaF_2-KCl	7-.8-92.2	4065
710	$Bi_2O_3-PbO-V_2O_5$	13.5-71-15.5	4085
710	$KCl-KF-K_2TaF_7$	8.7-11.6-79.7	4068
710	$KCl-LiF$	81	4105, 4106
710	$KF-K_4P_2O_7$	78.7	4093
710	$KF-NaF$	60	4334
710	$K_4P_2O_7-TiO_2$	68.5	4275
710	$Li_4P_2O_7-Na_2MoO_4-Na_4P_2O_7$	29.5-18.2-52.3	4376
711	$AlF_3-Li_3AlF_6$	39.7	4390
712	$BaCl_2-BaF_2-CaF_2-NaF$	27.2-27.2-8.7-37.	4117
712	$CaCl_2-Ca_3N_2$	87	4431
712	$KCl-K_2TaF_7$	16	4068
713	$Li_3AlF_6-Na_3AlF_6$	61.2	4390
715	$AlF_3-LiF-NaF$	25-48.8-26.2	4122
715	AlF_3-LiF	35	4121
715	$KCl-LiF$	80	4301
716	$BaF_2-LiF-NaCl$	42.8-25.7-31.4	4370
716	$KCl-KBr$	40	4083
716	$KF-NaF$	60	4088
717	$KF-K_2TaF_7$	21.5	4068
717	K_3AlF_6-KCl	8.7	4026
718	$KF-K_2TaF_7-Ta_2O_5$	77.5-20.5-.2	4069
720	AlF_3-LiF	15	4121
720	$FeWO_4-Na_2W_2O_7$	10	4034
720	$K_4P_2O_7-Na_2MoO_4$	36	4375
720	$Li_4P_2O_7-Na_4P_2O_7$	62	4376
720	$NaCl-CaSO_4$	81.6	4312
720	$SrCl_2-Sr_3N_2$	87	4431
725	$CaO-Na_2O-SiO_2$	5.6-20.6-73.8	4332
725	$Cu_2S-FeS-Na_2S$	17.6-66.2-16.1	4293
725	$NaCl-CaSO_4$	79.8	4313
726	$CsF-LaF_3$	66	4429
726	$Na_2SO_4-PbSO_4$	51	4366
727+5	GeO_2-PbO	61.7	4387

Eutectic M.P., °C	System	Composition mol %	Reference No.
727	KF-K ₂ TaF ₇	74.5	4068
730	InCl ₃ -NaCl	39	4038a
730	K ₂ SO ₄ -K ₂ S	27.5	4318
731	NaBr-NaCl	72	4021
732	K ₄ P ₂ O ₇ -NaF	32.7	4009
733	Na ₃ AlF ₆ -NaCl	11	4026
734	NaF-Na ₄ P ₂ O ₇	65.8	4092
734	Na ₃ AlF ₆ -NaCl	11	4420
736	Ca ₂ P ₂ O ₇ -Na ₄ P ₂ O ₇ -Na ₂ SO ₄	3-29-68	4367
736	K ₂ MoO ₄ -Na ₄ P ₂ O ₇	77.7	4375
738	NaCl-SrSO ₄	86.4	4312
739	BaF ₂ -KCl	7.5	4066
740	AlF ₃ -RbF	7	4429
740	CaCrO ₄ -Na ₂ CrO ₄	48.4	4338
740+5	GeO ₂ -PbO	41.5	4387
740	Na ₂ SO ₄ -Rb ₂ SO ₄	80	4282
741	NaCl-BaSO ₄	88.9	4312
744	KF-SrF ₂	78.1	4334
744	K ₂ MoO ₄ -Na ₄ P ₂ O ₇	58.1	4375
744	K ₄ P ₂ O ₇ -K ₂ TiO ₃ -Li ₂ TiO ₃	.25-89.2-10.5	4277
744	LiF-YF ₃	82	4429
745	NaF-ZrF ₄	80	4443
745	Rb ₂ O-SiO ₂	43.5	4087
750	PbMoO ₄ -Rb ₂ MoO ₄	37	4415
752	RbF-YF ₃	91	4429
754	CaF ₂ -KCl	1.26	4035
754	CaF ₂ -KCl	.9	4065
756	KF-YF ₃	88	4429
758	RbBr-TiBr ₂	35	4019
760	K ₂ MoO ₄ -K ₂ TiO ₃ -PbTiO ₃	4-69-27	4399
760+10	PbO-PbSe	80	4096
760	PbWO ₄ -Rb ₂ WO ₄	36	4415
762	MoO ₃ -PbO	11.7	4362
764	KF-YF ₃	58.5	4429
765	BaF ₂ -LiF	18.3	4370b
~765	KF-ZrF ₄	~87	4183
765	Li ₄ P ₂ O ₇ -Li ₂ TiO ₃ -K ₄ P ₂ O ₇	1.2-39.4-59.4	4277
766	CaF ₂ -LiF	20.5	4035

Eutectic M.P., °C	System	Composition mol %	Reference No.
766	KF-ZrF ₄	87.3	4177
766	KF-K ₂ ZrF ₆	83	4177
767	K ₂ MoO ₄ -Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	70.6-23.5-5.9	4375
770	CaF ₂ -NaCl	4.7	4012
770	K ₂ MoO ₄ -PbMoO ₄	69	4399
770	LaF ₃ -LiF	21	4203
770	Na ₂ CrO ₄ -Na ₂ SiO ₃	87.1	4327
770	PbMoO ₄ -Rb ₂ MoO ₄	58	4415
770	Rb ₂ O-SiO ₂	15.8	4087
773	K ₂ TiO ₃ -Na ₂ TiO ₃	82	4321
775	CaSO ₄ -Cs ₂ SO ₄	36	4372
778	GeO ₂ -Na ₂ O	65	4002
780	CaF ₂ -KF	13.6	4030
780	CrCl ₃ -KCl	46	4216
783	CrCl ₃ -KCl	34.3	4216
784	PbWO ₄ -Rb ₂ WO ₄	51.5	4415
785	GeO ₂ -Na ₂ O	66.6	4003
786±5	Cd(PO ₃) ₂ -Zn(PO ₃) ₂	25	4172
786	K ₂ TiO ₃ -PbTiO ₃	81	4399
789	GeO ₂ -Na ₂ O	68.4	4002
790	Ba(BO ₂) ₂ -Cd(BO ₂) ₂	~17	4044
790	Bi ₂ O ₃ -MoO ₃ -PbO	14.5-32.5-53	4362
790±10	GeO ₂ -Na ₂ O	64	4190
790	K ₄ P ₂ O ₇ -K ₂ TiO ₃ -TiO ₂	1.4-90.7-7.9	4275
790	K ₄ P ₂ O ₇ -K ₂ TiO ₃ -TiO ₂	1.3-96.1-2.6	4275
791	BaCl ₂ -CaF ₂	77	4012
795	CrCl ₃ -KCl	46.4	4363
795	MgFe ₂ O ₄ -PbO	8	4175
797	Bi ₂ O ₃ -TiO ₂	97.5	4067
802	K ₂ MoO ₄ -K ₂ TiO ₃ -PbTiO ₃	3.5-59-37.5	4399
802	K ₂ MoO ₄ -PbMoO ₄	37	4399
805	CrCl ₃ -CsCl	53	4020
805±3	ZnF ₂ -Zns	~89	4145
806	BaCl ₂ -Ba ₃ N ₂	77	4303
807	Na ₂ MoO ₄ -Na ₄ P ₂ O ₇	63	4375
808	LaF ₃ -NaF	27	4429
812	Na ₂ CO ₃ -Na ₂ SO ₄	66.7	4274
815	K ₂ TiO ₃ -PbTiO ₃	61	4399
816	CrCl ₃ -CsCl	29	4020

Eutectic M.P., °C	System	Composition mol %	Reference No.
816	KF-ScF ₃	93	4424
816	Rb ₂ O-V ₂ O ₅	92	4389
817	K ₂ TiO ₃ -TiO ₂	93.9	4275
818	CaF ₂ -NaF	31.6	4030
820	AlF ₃ -KF	7	4429
820	NaF-ScF ₃	82	4424
821	CrCl ₃ -RbCl	49.8	4020
822	Ca(OH) ₂ -Ca ₂ SiO ₄	94	4346
822	K ₂ TiO ₃ -TiO ₂	98	4275
825	PbO-PbSO ₄	89	4196
826	Bi ₂ O ₃ -TiO ₂	90	4067
826	K ₂ TiO ₃ -TiO ₂	89.8	4275
826	Na ₂ CO ₃ -Na ₂ SO ₄	62	4271
826	Na ₂ SiO ₃ -Na ₂ TiO ₃ -TiO ₂	29.3-55.7-14.9	4276
828	BaBr ₂ -Ba ₃ N ₂	80	4303
830	Bi ₂ O ₃ -GeO ₂	Not reported	4157
832±2	Ca(PO ₃) ₂ -KPO ₃	64±.5	4264
832	CrCl ₃ -RbCl	30.7	4020
832	K ₂ SO ₄ -Na ₂ SO ₄	25	4057
836	AlF ₃ -NaF	14	4308
836	Ca(BO ₂) ₂ -Cd(BO ₂) ₂	25	4044
840	K ₃ AlF ₆ -Na ₃ AlF ₆ -NaCl	9.2-21.9-68.9	4423
843	CsBr-TiBr ₂	35	4019
845	CaSO ₄ -Rb ₂ SO ₄	39	4372
849±3	Cd ₃ (PO ₄) ₂ -Zn ₃ (PO ₄) ₂	9	4137
850	K ₂ MoO ₄ -K ₄ P ₂ O ₇	78	4375, 4410a
853	KF-Ta ₂ O ₅	99.76	4069
854	K ₄ P ₂ O ₇ -K ₂ TiO ₃ -TiO ₂	3.8-73.4-22.8	4275
856	NaF-SrF ₂	67.5	4027
856	NaF-SrF ₂	73	4030
856	NaF-SrF ₂	73.4	4334
858	Cd(BO ₂) ₂ -Mg(BO ₂) ₂	97.5	4044
860	BaCl ₂ -Ba ₃ N ₂	19	4303
860	RbF-YF ₃	58	4429
861±2	PbO-ZnO	89	4100
865±3	CdO-P ₂ O ₅	53	4235
866	V ₂ O ₅ -ZnO	27	4241
867	CaSO ₄ -K ₂ SO ₄	42	4319, 4372
~870	BaCl ₂ -BaWO ₄	85	4417

Eutectic M.P., °C	System	Composition mol %	Reference No.
870	$\text{Bi}_2\text{O}_3\text{-V}_2\text{O}_5$	62.5	4085
870	KF-ScF_3	63	4424
872	$\text{Na}_2\text{SiO}_3\text{-TiO}_2$	79.9	4276
875	$\text{CaSO}_4\text{-K}_2\text{SO}_4$	39.7	4184
880	$\text{Bi}_2\text{O}_3\text{-GeO}_2$	66	4157
880	$\text{CaCO}_3\text{-CaF}_2$	58.1	4186
880	$\text{CeO}_2\text{-Na}_3\text{AlF}_6$	5.5	4089
880	$\text{Na}_2\text{SiO}_3\text{-Na}_2\text{TiO}_3$	47	4276
881	$\text{AlF}_3\text{-Al}_2\text{O}_3\text{-NaF}$	13.1-1.1-85.8	4188
882	$\text{Na}_3\text{AlF}_6\text{-NaF}$	23.25	4420
885	$\text{AlF}_3\text{-NaF}$	13	4121
886	$\text{AlF}_3\text{-NaF}$	13	4429
888	$\text{AlF}_3\text{-NaF}$	13.3	4188
890	$\text{Ca}_2\text{SO}_4\text{-Na}_2\text{SO}_4$	40	4372
895	$\text{V}_2\text{O}_5\text{-ZnO}$	23	4241
898	$\text{NaF-Na}_2\text{TiO}_3$	51.8	4333
900	$\text{Co}_4\text{S}_3\text{-FeS}$	~77	4279
~900	$\text{Cr}_2\text{O}_3\text{-FeO}$	16.8	4331
904	$\text{Na}_3\text{AlF}_6\text{-Nd}_2\text{O}_3$	88	4089
905	$\text{GeO}_2\text{-Na}_2\text{O}$	92.5	4003
910	$\text{Rb}_2\text{O-V}_2\text{O}_5$	69	4389
914	$\text{Ca}_2\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7\text{-Na}_2\text{SO}_4$	23.2-70-6.7	4367
918	$\text{CaSO}_4\text{-Na}_4\text{P}_2\text{O}_7\text{-Na}_2\text{SO}_4$	49.2-2.5-48.2	4367
920	$\text{Mg(BO}_2)_2\text{-Sr(BO}_2)_2$	42.5	4044
930	$\text{Bi}_2\text{O}_3\text{-MoO}_3$	66.6	4362
930+10	$\text{GeO}_2\text{-Li}_2\text{O}$	74	4234
930	$\text{PbWO}_4\text{-WO}_3$	32.5	4031
935+10	$\text{GeO}_2\text{-Li}_2\text{O}$	89.6	4234
935	$\text{MoO}_3\text{-PbO}$	37.5	4362
938	BaO-WO_3	25	4126
947+5	$\text{Cd}_2\text{P}_2\text{O}_7\text{-Zn}_2\text{P}_2\text{O}_7$	30	4235
950	$\text{Ba(BO}_2)_2\text{-Cd(BO}_2)_2$	~70	4044
950	$\text{Ba(BO}_2)_2\text{-Mg(BO}_2)_2$	~30	4044
950+10	$\text{GeO}_2\text{-Na}_2\text{O}$	50.5	4190
950	PbO-PbSO_4	39	4196
958	$\text{Ca}_2\text{P}_2\text{O}_7\text{-Na}_4\text{P}_2\text{O}_7\text{-CaSO}_4$	60.1-32.2-7.7	4367
960	$\text{Bi}_2\text{O}_3\text{-GeO}_2$	23.5	4157
961	$\text{AlF}_3\text{-Al}_2\text{O}_3\text{-NaF}$	23.6-5.7-70.7	4188
963	$\text{Na}_3\text{AlF}_6\text{-Sm}_2\text{O}_3$	98.8	4089

Eutectic M.P., °C	System	Composition mol %	Reference No.
~970	La ₂ O ₃ -MgO	50	41382
975	Al ₂ O ₃ -Li ₂ O-SiO ₂	4.7-28-67.2	4119
975	Al ₂ O ₃ -Li ₂ O-SiO ₂	4.3-10.7-85	4205
980	Al ₂ O ₃ -Li ₂ O-SiO ₂	4.7-28-67.3	4205
980	SrCl ₂ -Sr ₃ N ₂	11	4431
982	Li ₂ MoO ₄ -Li ₄ P ₂ O ₇	3.9	43763, 4410
986	LiCl-Li ₄ P ₂ O ₇	9.3	4364
1000	SrBr ₂ -Sr ₃ N ₂	13	4431
1022	BaF ₂ -CaF ₂	50	4064
1024	Li ₂ O-SiO ₂	61.2	4204
1025±10	GeO ₂ -Li ₂ O	71.5	4234
1028	Li ₂ O-SiO ₂	30.8	4204
1030	Ba(BO ₂) ₂ -Ca(BO ₂) ₂	68	4131
1034	Ba(BO ₂) ₂ -Ca(BO ₂) ₂	82	4131
1042	GeO ₂ -Na ₂ O	83	4002
1044	Ba(BO ₂) ₂ -Sr(BO ₂) ₂	38.5	4044
1050	Ba(BO ₂) ₂ -Ca(BO ₂) ₂	25	4131
1050	CuO-Cu ₂ O-SiO ₂	40.8-48.4-10.8	4155
1050	SrI ₂ -Sr ₃ N ₂	30	4431
1058	CaF ₂ -KF	54.4	4030
1060±10	Cu ₂ O-SiO ₂	3.5	4155
1072	Ba(BO ₂) ₂ -Sr(BO ₂) ₂	83.5	4044
1075	Al ₂ O ₃ -CuO-Cu ₂ O	2.8-55.9-41.2	4161
1075±5	CdO-P ₂ O ₅	72	4235
1075	CuO-Cu ₂ O	45.8	4161
1080±2	PbS-PbSe	44	4237
~1090	Cr ₂ O ₃ -FeO	72.8	4331
1095±10	GeO ₂ -MnO	~43.5	4045
1096	Al ₂ O ₃ -Cu ₂ O	9.5	4161
1104	CaF ₂ -CaO-SiO ₂	41.9-38.1-19.9	4189
~1105	Fe ₂ SiO ₄ -Zn ₂ SiO ₄	64.1	4213
1106	CaF ₂ -CaO-SiO ₂	28.5-59.2-12.2	4189
1130	Al ₂ O ₃ -CuO	12.1	4161
1177	FeO-SiO ₂	60.8	4331
1178	FeO-SiO ₂	74.7	4331
1180	Bi ₂ O ₃ -Nb ₂ O ₅	~36	4101
1232	MnO-MnS	40.8	4042
1300±5	B ₂ O ₃ -MgO	30.6	4326
~1300	Nb ₂ O ₃ -WO ₃	11	4240
1305	Al ₂ O ₃ -FeO	22.7	4316

Eutectic M.P., °C	System	Composition mol %	Reference No.
1315	BaO-Fe ₂ O ₃	38	4135
1320	BaO-WO ₃	58.5	4126
~1325	MgO-SiO ₂ -SrO	35.5-50-14.5	4080
1326	CaO-Nb ₂ O ₅	23.2	4348
1330	BaO-Fe ₂ O ₃	58.8	4134
1330	BaO-Fe ₂ O ₃	61	4135
~1330	BeO-SiO ₂ -SrO	28.1-50-21.9	4080
~1340	Nb ₂ O ₃ -WO ₃	40	4240
1350	CaF ₂ -MgO	82	4311
1360±5	B ₂ O ₃ -MgO	17.9	4326
1360	CaF ₂ -CaO	74.8	4189
1360	Fe ₂ O ₃ -Nb ₂ O ₅	27	4165
1370	BaO-Fe ₂ O ₃	40	4134
1375	CoO-Nb ₂ O ₅	25	4165
1375	Fe ₂ O ₃ -Nb ₂ O ₅	72	4165
1380	Ca ₃ (PO ₄) ₂ -CaSiO ₃ -SiO ₂	16.1-79.5-4.3	4262
1385	CoO-Nb ₂ O ₅	67	4165
~1400	Al ₂ O ₃ -FeO-SiO ₂	~30-36-33	4316
1405±5	Al ₂ O ₃ -CaO-SiO ₂	27.3-35-37.7	4398
1410	Al ₂ O ₃ -Nb ₂ O ₅	30	4165
1415±5	Ca ₂ SiO ₄ -MgFe ₂ O ₄	56.7	4233
1418	Ca ₂ SiO ₄ -MgAl ₂ O ₄	61	4232
1420	Ca ₃ (PO ₄) ₂ -CaSiO ₃	17.4	4262
1425	MgO-SiO ₂ -SrO	20.6-50-29.4	4080
1430	Nb ₂ O ₅ -NiO	72	4165
1457	Ca ₇ Al ₆ ZrO ₁₆ -MgO	22.4	4238
1460±10	CaO-TiO ₂	20.2	4314
1475	Cr ₂ O ₃ -Nb ₂ O ₅	21	4165
1483	B ₂ O ₃ -ThO ₂	~19	4142
1492	CaO-Nb ₂ O ₅	58.6	4348
1495	Nb ₂ O ₅ -NiO	33	4165
~1500	Al ₂ O ₃ -MnO-SiO ₂	~26-22-42	4316
~1510	CeO ₂ -Fe ₃ O ₄	~38.7	4329
~1510	CeO ₂ -TiO ₂	~55	4329
~1530	CeO ₂ -Mn ₃ O ₄	~38.7	4329
1535	CaO-Nb ₂ O ₅	70.9	4348
1540	Ca ₃ (PO ₄) ₂ -SiO ₂	70.5	4262
1547±5	Al ₂ O ₃ -SiO ₂	~3	4148
1575	MgO-Ta ₂ O ₅	20	4050
1590	Al ₂ O ₃ -SiO ₂	90.2	4407
1590	BaO-WO ₃	92	4126

Eutectic M.P., °C	System	Composition mol %	Reference No.
~1595	$\text{Al}_2\text{O}_3\text{-NaAlO}_2$	21.1	4146
1595	$\text{Al}_2\text{O}_3\text{-SiO}_2$	5	4051
1615 $\pm$ 5	$\text{Ca}_2\text{SiO}_4\text{-MgAlCrO}_4$	74.4	4233
1620 $\pm$ 5	$\text{Ca}_2\text{SiO}_4\text{-MgFeCrO}_4$	73.6	4233
1630	$\text{Al}_2\text{O}_3\text{-BeO-SiO}_2$	36.2-33.1-30.7	4317
~1630	$\text{ThO}_2\text{-TiO}_2$	~25	4329
1635	$\text{Nd}_2\text{O}_3\text{-SiO}_2$	26	4132
1636	$\text{CaO-P}_2\text{O}_5\text{-SiO}_2$	77.1-17.3-5.6	4047
1647	$\text{Al}_2\text{O}_3\text{-CaO-MgO-ZrO}_2$	22.85-27.15-22.85- 27.15	4238
1647	$\text{CaZrO}_3\text{-MgAl}_2\text{O}_4$	54.3	4238
1650	NiO-SiO_2	55	4347
1669	$\text{Cr}_2\text{O}_3\text{-SiO}_2\text{-ZrO}_2$	5-85-10	4201
1670	BeO-SiO_2	~14	4310
1675	$\text{Nd}_2\text{O}_3\text{-SiO}_2$	65	4132
1680	$\text{Cr}_2\text{O}_3\text{-Nb}_2\text{O}_5$	70	4165
1680	$\text{Cr}_2\text{O}_3\text{-SiO}_2$	5	4201
1695 $\pm$ 30	$\text{Al}_2\text{O}_3\text{-Ti}_2\text{O}_3$	55	4210
1700	$\text{Cr}_2\text{O}_3\text{-SiO}_2\text{-ZrO}_2$	30-55-15	4201
1700	$\text{Nd}_2\text{O}_3\text{-SiO}_2$	45	4132
1705	$\text{SiO}_2\text{-ZrO}_2$	95	4201
1710	$\text{Gd}_2\text{O}_3\text{-SiO}_2$	26.4	4001
1750	$\text{Al}_2\text{O}_3\text{-FeO}$	55.6	4316
1750 $\pm$ 20	$\text{Ca}_2\text{SiO}_4\text{-Y}_4(\text{SiO}_4)_3$	77.9	4265
1750	$\text{SiO}_2\text{-ZrO}_2$	95	4454
1760	$\text{Cr}_2\text{O}_3\text{-SiO}_2$	65	4201
~1770	$\text{Al}_2\text{O}_3\text{-CeO}_2$	~54	4329
1770 $\pm$ 20	$\text{Ba}_2\text{SiO}_4\text{-Ca}_2\text{SiO}_4$	37.2	4294
1780	$\text{Al}_2\text{O}_3\text{-BeO-SiO}_2$	55.9-18.5-25.6	4317
1790 $\pm$ 20	$\text{Al}_2\text{O}_3\text{-Sc}_2\text{O}_3$	66.6	4147
1810	$\text{Gd}_2\text{O}_3\text{-SiO}_2$	65.7	4001
1820 $\pm$ 20	$\text{Al}_2\text{O}_3\text{-Sc}_2\text{O}_3$	44	4147
1830	$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3\text{-MgO}$	50-11.73-38.27	4337
1830	$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3$	76.25	4386
1830	$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	42.1-17.3-40.5	4341
1830 $\pm$ 20	$\text{Ba}_2\text{SiO}_4\text{-Ca}_2\text{SiO}_4$	~80.9	4294
1830	$\text{LaAlO}_3\text{-MgAl}_2\text{O}_4$	38	4337
1835	$\text{Al}_2\text{O}_3\text{-BeO}$	42.4	4317
1835	$\text{Al}_2\text{O}_3\text{-MgO-Nd}_2\text{O}_3$	50-38.3-11.7	4049
1835	$\text{MgAl}_2\text{O}_4\text{-NdAlO}_3$	62	4049
1840	$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	16.6-42-41.3	4341

Eutectic M.P., °C	System	Composition mol %	Reference No.
1840	$\text{Al}_2\text{O}_3\text{-SiO}_2$	67.6	4046
1840	$\text{Al}_2\text{O}_3\text{-SiO}_2$	68	4051
1840	$\text{Al}_2\text{O}_3\text{-SiO}_2$	14.2	4407
1840	$\text{Cr}_2\text{O}_3\text{-SiO}_2\text{-ZrO}_2$	21.25-63.75-15	4201
1850	$\text{Al}_2\text{O}_3\text{-BeO}$	60.1	4317
1850	$\text{Gd}_2\text{O}_3\text{-SiO}_2$	45	4001
1857	$\text{MgAl}_2\text{O}_4\text{-ZrO}_2$	Not reported	4238
1860	$\text{Al}_2\text{O}_3\text{-MgO-ZrO}_2$	31.6-29.6-38.8	4341
1860±10	BeO-MgO	69±2	4052
1875	$\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3$	26.21	4386
1880	$\text{Al}_2\text{O}_3\text{-BeO}$	82.3	4317
1880	$\text{Cr}_2\text{O}_3\text{-ZrO}_2$	55	4201
1890±20	BeO-CeO_2	63±3	4052
~1960	BeO-CeO_2	~57.5	4329
~1960	$\text{La}_2\text{O}_3\text{-MgO}$	60	4329
1970	$\text{CaO-P}_2\text{O}_5\text{-SiO}_2$	74-5.6-20.3	4047
~1970	$\text{La}_2\text{O}_3\text{-MgO}$	~55	4329
~1980	CaO-CeO_2	~53.8	4329
1985±35	MgO-PuO_2	43	4133
~2000	$\text{La}_2\text{O}_3\text{-MgO}$	~20	4329
2000±20	$\text{La}_2\text{O}_3\text{-MgO}$	52	4394
2045±10	BeO-ZrO_2	59±2	4052
~2060	$\text{MgO-Y}_2\text{O}_3$	48	4138
2070	MgO-ZrO_2	49	4330
~2080	$\text{MgO-Sc}_2\text{O}_3$	44	4138
2080±10	MgO-ZrO_2	65±3	4052
2080±30	$\text{MgO-Y}_2\text{O}_3$	52	4140
~2100	$\text{La}_2\text{O}_3\text{-ZrO}_2$	~60	4329
2130±30	$\text{Cr}_2\text{O}_3\text{-La}_2\text{O}_3$	22	4395
2150±30	$\text{Sc}_2\text{O}_3\text{-MgO}$	46	4287
2160±30	$\text{HfO}_2\text{-La}_2\text{O}_3$	35	4193
2210±30	$\text{HfO}_2\text{-La}_2\text{O}_3$	75	4193
2220	$\text{SiO}_2\text{-ZrO}_2$	42	4201, 4451, 4454
2230±30	$\text{Cr}_2\text{O}_3\text{-La}_2\text{O}_3$	76	4395
~2235	$\text{CeO}_2\text{-MgO}$	~26	4329
~2260	$\text{CeO}_2\text{-Cr}_2\text{O}_3$	~54	4329
2355	$\text{Cr}_2\text{O}_3\text{-MgO}$	65	4141
~2390	$\text{CeO}_2\text{-ZrO}_2$	~53	4329

APPENDIX A
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APPENDIX B
CUMULATIVE COORDINATE INDEX
FOR
VOLUMES I AND II

NO VOLUME DESIGNATION IS GIVEN IN THIS MERGED INDEX.
REFERENCES TO PAGES 1 - 190 WILL BE FOUND IN VOL. I.
REFERENCES TO PAGES 191 - 287 WILL BE FOUND IN VOL. II.

USE OF THE INDEX

In the dual dictionary index, the system components are listed in alphabetical formula order. To employ a computer in preparing the index, it was necessary to accept some innovations to the usual order and manner of writing the formulas.

The salts of a given metal are presented in the order of the mono-metal salts followed by the di-metal, tri-metal and tetra-metal salts. Thus the following salts of potassium would appear in an order such as: KBr, KCl, KVO_3 , K_2SO_4 , K_2TiO_6 , K_3BO_3 , K_3PO_4 , $K_4P_2O_7$.

In the formulas, each letter following a space or a digit is a capital. A letter following a capital is to be regarded as a small letter. Thus C O would represent carbon and oxygen whereas CO would represent cobalt.

This convention would not apply to radicals, but it is assumed that the radicals here employed would be readily recognized by any who might use these data.

In cases in which parentheses are needed in a formula, it was necessary to omit the first parenthesis. Thus $Fe_2(SO_4)_3$ is written FE2SO4)3 and $(NH_4)_2MoO_4$ is written NH4)2MOO4.

The index is set up in two identical halves, to facilitate the location of systems. To determine if a specific mixture is included in the report, it is merely necessary to note the pages on which each component appears.

For example, in the system $CdCl_2$ -KCl-LiCl the components are found on the pages listed below.

$CdCl_2$ 193, 194, 197, 204.

KCl 194, 195, 196, 202, 203, 204, 207, 209.

LiCl 194, 195, 197, 202, 203, 204, 207.

Pages 194 and 204 have the components sought, but on Page 204 they are not associated in a common system. However on Page 194 the system $CdCl_2$ -KCl-LiCl is found.

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AG F	46
AG I	27, 61, 65, 224
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AG2MO04	76, 77, 99
AG2S	32, 94, 208
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