

## SYSTEM INDEX

Page numbers preceded by E refer to evaluation texts whereas those not preceded by E refer to compiled tables. Compounds are listed as in Chemical Abstracts, for example aniline is listed as benzenamine and 2-aminoethanol as ethanol, 2-amino-.

### A

Acetic acid (multi component)	
+ mercury (II) oxide	339
Acetic acid, methyl ester (multicomponent)	
+ copper (I) oxide	9
+ copper (II) oxide	E10 - E26, 82
Acetic acid, sodium salt (multi component)	
+ mercury (II) oxide	339
Acetonitrile (multicomponent)	
+ copper (I) oxide	9
+ copper (II) oxide	E10 - E26, 82
Ammonia (aqueous)	
+ cadmium oxide	E277, E279, 294
+ zinc hydroxide	E178, E179, 214
Ammonia (multi component)	
+ zinc oxide	E178, 269, 303
Ammonium carbonate	
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Ammonium chloride (multi component)	
+ zinc hydroxide	264
Ammonium hydroxide (aqueous)	
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+ zinc hydroxide	E178, E179, 254, 255
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Ammonium hydroxide (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 64 - 78
+ silver (I) oxide	142- 144
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Ammonium thiocyanate	
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Arsenic (V) oxide (aqueous)	
+ zinc oxide	E174, 262, 263
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+ cadmium oxide	E279, E280, 298, 299

### B

Barium hydroxide	
+ copper (II) hydroxide	E10 - E26, 65
Barium hydroxide (aqueous)	
+ silver (I) oxide	E83, E84, E88, 119
Barium nitrate	
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+ copper (II) hydroxide	E10 - E26, 78
Boron (III) oxide (aqueous)	
+ silver (I) oxide	E83, E84, E92, 130- 133
Bromine (multicomponent)	
+ copper (I) oxide	9
+ copper (II) oxide	E10 - E26, 82

### C

Cadmium hydroxide	
+ water	E270 - E282, 284, 285
Cadmium hydroxide (aqueous)	
+ hydrogen peroxide	291, 292
+ perchloric acid, sodium salt	290
+ sodium hydroxide	E270 - E277, 286, 287, 288

## C

Cadmium hydroxide (multicomponent)	
+ sodium sulfide	293
+ sulfuric acid, cadmium salt	289
+ lithium hydroxide	300
+ perchloric acid	301
+ perchloric acid, sodium salt	303
+ potassium hydroxide	300
+ sodium hydroxide	300, 301
Cadmium oxide	
+ water	E270 - E282, 284
Cadmium oxide (aqueous)	
+ ammonia	E277, E279, 294
+ arsenic (VI) oxide	E279, E280, 298, 299
+ ethanol, 2-amino-	E279, 304
+ ethanol, 2,2'-imino-	E279, 304
+ sodium hydroxide	E270 - E277, 286, 287, 296, 297
+ sulfuric acid, ammonium salt	295
Cadmium oxide (multi component)	
+ carbon dioxide	E280, 305, 306
+ sodium chloride	E280, 305, 306
Cadmium perchlorate	
see perchloric acid, cadmium salt	
Cadmium sulfate	
see sulfuric acid, cadmium salt	
Carbon dioxide (multi component)	
+ cadmium oxide	E280, 305, 306
+ copper (I) oxide	E1 - E3, 8
+ copper (II) oxide	E10 - E26, 80
+ mercury (ii) oxide	E316, 340, 341
+ sodium chloride	E181, 268
Carbonic acid, ammonium salt (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 74
Carbonic acid, sodium salt (multi component)	
+ mercury (II) oxide	342
Chromium (VI) oxide (aqueous)	
+ silver (I) oxide	E83, E84, E92, 123
+ zinc oxide	E174 - E176, 194, 230
Copper (I) oxide	
+ seawater	E1 - E3, 4, 5
+ water	E1 - E3, 6 - 8
Copper (I) oxide (aqueous)	
+ ammonium hydroxide	E1 - E3, 7
Copper (I) oxide (multicomponent)	
+ acetic acid, methyl ester	9
+ acetonitrile	9
+ bromine	9
+ carbon dioxide	E1 - E3, 8
+ potassium chloride	E1 - E3, 8
+ sodium chloride	E1 - E3, 8
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+ water	E10 - E26, 31
Copper (II) hydroxide (aqueous)	
+ ammonium hydroxide	E10 - E26, 49, 51
+ hydrogen peroxide	E10 - E26, 54, 55
+ perchloric acid, sodium salt	E10 - E26, 57
+ selenium oxide	E10 - E26, 62
+ sodium hydroxide	E10 - E26, 34 - 39
+ sulfuric acid	52, 61
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Copper (II) hydroxide (multicomponent)	
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+ benzenamine	E10 - E26, 78

## C

Copper (II) hydroxide (multicomponent)	
+ carbonic acid, ammonium salt	E10 - E26, 74
+ ethanol	E10 - E26, 69
+ glucose	E10 - E26, 71
+ lithium chloride	E10 - E26, 78
+ lithium hydroxide	E10 - E26, 79
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+ 1-propanol	E10 - E26, 70
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+ pyridine	E10 - E26, 77
+ sodium hydroxide	E10 - E26, 65, 66
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+ sulfuric acid, ammonium salt	E10 - E26, 64, 75
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+ seawater	E10 - E26, 28
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Copper (II) oxide (aqueous)	
+ ammonium hydroxide	E10 - E26, 59
+ nitric acid	E10 - E26, 53
+ perchloric acid, sodium salt	E10 - E26, 56
+ potassium hydroxide	E10 - E26, 47, 48
+ sodium hydroxide	E10 - E26, 46, 58, 60
+ sulfuric acid	E10 - E26, 40 - 42
Copper (II) oxide (multicomponent)	
+ acetic acid, methyl ester	E10 - E26, 82
+ acetonitrile	E10 - E26, 82
+ bromine	E10 - E26, 82
+ carbon dioxide	E10 - E26, 80
+ hydrofluoric acid	E10 - E26, 63
+ perchloric acid, copper (II) salt	E10 - E26, 81
+ potassium chloride	E10 - E26, 80
+ potassium fluoride	E10 - E26, 63
+ sodium chloride	E10 - E26, 80
+ sodium hydroxide	E10 - E26, 81
Copper perchlorate	
see perchloric acid, copper salt	

## E

Ethanol (aqueous)	
+ silver (I) oxide	E83, E84, E94, 111
Ethanol (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 69
Ethanol, 2-amino- (aqueous)	
+ cadmium oxide	E279, 304
+ silver (I) oxide	E83, E84, E93, 124
Ethanol, 2,2'-imino (aqueous)	
+ silver (I) oxide	E83, E84, E93, 125
+ cadmium oxide	E279, 304
Ethanol, 2,2',2"- nitrilotri- (aqueous)	
+ zinc oxide	E179, 259
+ silver (I) oxide	E83, E84, E93, 126

## G

Glucose (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 71
Glycine (aqueous)	
+ zinc oxide	E179, 257

## G

Gold (III) hydroxide	
+ water	E148-E150
Gold (III) hydroxide (aqueous)	
+ nitric acid	E148, 155
+ sodium hydroxide	E148 - E150, 153, 154
+ sulfuric acid	E148, E180, 151, 152

## H

Hydrochloric acid	
+ mercury (II) oxide	328, 329
Hydrochloric acid (multi component)	
+ zinc hydroxide	266, 267
Hydrofluoric acid (aqueous)	
+ mercury (II) oxide	E313, 319, 333
Hydrofluoric acid (multicomponent)	
+ copper (II) oxide	E10 - E26, 63
Hydrogen peroxide (aqueous)	
+ cadmium hydroxide	291, 292
+ zinc oxide	E180, 237 - 241

## L

Lithium chloride	
+ mercury (II) oxide	335
Lithium chloride (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 79
Lithium hydroxide (aqueous)	
+ mercury (II) oxide	322
Lithium hydroxide (multicomponent)	
+ cadmium hydroxide	300
+ copper (II) hydroxide	E10 - E26, 79

## M

Magnesium chloride (aqueous)	
+ zinc hydroxide	E180, 256
Mercury (II) oxide	
+ seawater	E315, 318
+ water	E307 - E317, 318
Mercury (II) oxide (aqueous)	
+ barium hydroxide	320
+ hydrochloric acid	328, 329
+ hydrofluoric acid	E313, 319, 333
+ lithium chloride	335
+ nitric acid	326, 327
+ potassium chloride	335
+ potassium hydroxide	E307 - E313, 323, 334
+ lithium hydroxide	322
+ perchloric acid, sodium salt	331
+ sodium hydroxide	E307 - E313, 321, 324, 325, 330
+ sodium sulfide	E313, 332
Mercury (II) oxide (multi component)	
+ acetic acid	339
+ acetic acid, sodium salt	339
+ carbon dioxide	E316, 340, 341
+ carbonic acid, sodium salt	342
+ nitric acid, potassium salt	338
+ nitric acid, sodium salt	337
+ perchloric acid, sodium salt	342
+ sodium chloride	E316, 340, 341, 335
+ sodium hydroxide	336- 338
+ sulfuric acid, sodium salt	336

## M

Methanamine (aqueous)  
 + silver (I) oxide E83, E84, E93, 110  
 Methanol (multicomponent)  
 + copper (II) hydroxide E10 - E26, 68

## N

Nitric acid (aqueous)  
 + mercury (II) oxide 326, 327  
 + gold (III) hydroxide E148, 155  
 Nitric acid, ammonium salt (multi component)  
 + zinc hydroxide 264  
 Nitric acid, barium salt (aqueous)  
 + silver (I) oxide 122  
 Nitric acid, potassium salt (aqueous)  
 + silver (I) oxide E83, E84, E93,  
 112, 113, 120  
 + zinc hydroxide 247  
 + zinc oxide 245  
 Nitric acid, potassium salt (multi component)  
 + mercury (II) oxide 338  
 + silver (I) oxide 142 - 144  
 Nitric acid, sodium salt (multi component)  
 + mercury (II) oxide 337  
 + silver (I) oxide 138

## P

Perchloric acid (multi component)  
 + cadmium hydroxide 301  
 Perchloric acid, copper (II) salt (aqueous)  
 + copper (II) oxide E10 - E26, 81  
 Perchloric acid, sodium salt (aqueous)  
 + cadmium hydroxide 290  
 + mercury (II) oxide 331  
 + zinc hydroxide 250, 251  
 + zinc oxide 248  
 Perchloric acid, sodium salt (multi component)  
 + cadmium hydroxide 303  
 + mercury (II) oxide 342  
 + silver (I) oxide 139, 141  
 Phosphoric acid (aqueous)  
 + zinc oxide E177, 258  
 Phosphorus (V) oxide (aqueous)  
 + zinc oxide E177, 195, 196  
 Potassium chloride (multicomponent)  
 + copper (I) oxide E1 - E3, 8  
 + copper (II) oxide E10 - E26, 80  
 + mercury (II) oxide 335  
 Potassium fluoride (multicomponent)  
 + copper (II) oxide E10 - E26, 63  
 Potassium hydroxide (aqueous)  
 + mercury (II) oxide E307 - E313, 323, 334  
 + silver (I) oxide E83, E84, E86, E87, 118,  
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 + silver (II) oxide E144, E145, 146, 147  
 + zinc hydroxide E162, 222 - 224  
 + zinc oxide E162, 205, 206, 211, 220,  
 221, 225, 226, 228, 242,  
 243, 246, 249, 253  
 Potassium hydroxide (multi component)  
 + cadmium hydroxide 300  
 + silver (I) oxide 140  
 + zinc hydroxide 265  
 Potassium nitrate  
 see nitric acid, potassium salt

## P

Potassium sulfate  
 see sulfuric acid, potassium salt

1-Propanol (multicomponent)  
 + copper (II) hydroxide E10 - E26, 70  
 2-Propanone (multicomponent)  
 + copper (II) hydroxide E10 - E26, 67  
 Pyridine (multicomponent)  
 + copper (II) hydroxide E10 - E26, 77

## S

Selenium (IV) oxide (aqueous)  
 + silver (I) oxide E83, E84, E92, 134  
 Selenium oxide (aqueous)  
 + copper (II) hydroxide E10 - E26, 62  
 Silver (I) hydroxide  
 + water 106  
 Silver (I) oxide  
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 Silver (I) oxide (aqueous)  
 + ammonium hydroxide E83, E84, E93, 109, 116  
 + barium hydroxide E83, E84, E88, 119  
 + boron (III) oxide E83, E84, E92, 130- 133  
 + chromium (VI) oxide E83, E84, E92, 123  
 + ethanol E83, E84, E94, 111  
 + ethanol, 2-amino- E83, E84, E93, 124  
 + ethanol, 2,2'-imino- E83, E84, E93, 125  
 + ethanol, 2,2',2"-nitrilotri- E83, E84, E93, 126  
 + methanamine E83, E84, E93, 110  
 + nitric acid, barium salt 122  
 + nitric acid, potassium salt E83, E84, E93, 112, 113, 120  
 + potassium hydroxide E83, E84, E86, E87, 118, 129  
 + selenium (IV) oxide E83, E84, E92, 134  
 + sodium hydroxide E83, E84, E86, E87, 108, 114, 115, 117, 127, 128, 135- 137  
 + sulfuric acid, potassium salt 121  
 Silver (I) oxide (multi component)  
 + ammonium hydroxide 142- 144  
 + nitric acid, potassium salt 142- 144  
 + nitric acid, sodium salt 138  
 + perchloric acid, sodium salt 139, 141  
 + potassium hydroxide 140  
 + sodium hydroxide 138, 139, 141  
 + zinc oxide 140  
 Silver (II) oxide  
 + water E144, E145  
 Silver (II) oxide (aqueous)  
 + potassium hydroxide E144, E145, 146, 147  
 Sodium chloride (aqueous)  
 + mercury (II) oxide 335  
 Sodium chloride (multi component)  
 + cadmium oxide E280, 305, 306  
 + copper (I) oxide E1 - E3, 8  
 + copper (II) oxide E10 - E26, 80  
 + mercury (II) oxide E316, 340, 341  
 + zinc oxide 231 - 234  
 + zinc oxide E181, 268

## S

Sodium hydroxide (aqueous)	
+ cadmium hydroxide	E270 - E277, 286, 287, 288
+ cadmium oxide	E270 - E277, 286, 287, 296, 297
+ gold (III) hydroxide	E148- E150, 153, 154
+ mercury (II) oxide	E307 - E313, 321, 324, 325, 330
+ silver (I) oxide	E83, E84, E86, E87, 108, 114, 115, 117, 127, 128, 135- 137
+ zinc hydroxide	E159 - E162, 192, 193, 198, 199, 202, 203, 208, 209, 213, 229, 260, 261
+ zinc oxide	E159 - E162, 197, 201, 207, 215 - 219, 227, 244
Sodium hydroxide (multicomponent)	
+ cadmium hydroxide	300, 301
+ copper (II) hydroxide	E10 - E26, 65, 66
+ copper (II) oxide	E10 - E26, 81
+ mercury (II) oxide	336- 338
+ silver (I) oxide	138, 139, 141
+ zinc oxide	231 - 234, 265, 266
Sodium perchlorate	see perchloric acid, sodium salt
Sodium sulfate	see sulfuric acid, sodium salt
Sodium sulfide (aqueous)	
+ cadmium hydroxide	293
+ mercury (II) oxide	E313, 332
+ zinc oxide	E181, 252
Sucrose (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 72
Sulfur dioxide (aqueous)	
+ zinc oxide	E177, 236
Sulfur trioxide (aqueous)	
+ zinc oxide	E177, 210
Sulfuric acid (aqueous)	
+ gold (III) hydroxide	E148, E150, 151, 152
Sulfuric acid, ammonium salt (aqueous)	
+ cadmium oxide	295
Sulfuric acid, ammonium salt (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 64, 75
+ zinc hydroxide	264
+ zinc oxide	E178, 269
Sulfuric acid, cadmium salt (aqueous)	
+ cadmium hydroxide	289
Sulfuric acid, potassium salt (aqueous)	
+ silver (I) oxide	121
Sulfuric acid, sodium salt (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 64
+ mercury (II) oxide	336
Sulfuric acid, zinc salt (aqueous)	
+ zinc oxide	212

## T

Thiocyanic acid, ammonium salt (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 76

## U

Urea (multicomponent)	
+ copper (II) hydroxide	E10 - E26, 73

## Z

Zinc chloride (aqueous)	
+ zinc oxide	E179, 204
Zinc hydroxide	
+ water	E156 - E184, 187, 189, 191
Zinc hydroxide (aqueous)	
+ ammonia	E178, E179, 214
+ ammonium hydroxide	E178, E179, 254, 255
+ magnesium chloride	E180, 256
+ nitric acid, potassium salt	247
+ perchloric acid, sodium salt	250, 251
+ potassium hydroxide	E162, 222 - 224
+ sodium hydroxide	E159 - E162, 192, 193, 198, 199, 202, 203, 208, 209, 213, 229, 260, 261
Zinc hydroxide (multi component)	
+ ammonium chloride	264
+ hydrochloric acid	266, 267
+ nitric acid, ammonium salt	264
+ potassium hydroxide	265
+ sulfuric acid, ammonium salt	264
Zinc oxide	
+ seawater	E180, 188
+ water	E156 - E184, 185, 186, 190
Zinc oxide (aqueous)	
+ ammonium hydroxide	E178, E179, 200
+ arsenic (V) oxide	E174, 262, 263
+ chromium (VI) oxide	E174 - E176, 194, 230
+ ethanol 2,2',2"-nitrilotri-	E179, 259
+ glycine	E179, 257
+ hydrogen peroxide	E180, 237 - 241
+ nitric acid, potassium salt	245
+ perchloric acid, sodium salt	248
+ phosphoric acid	E177, 258
+ phosphorus (V) oxide	E177, 195, 196
+ potassium hydroxide	E162, 205, 206, 211, 220, 221, 225, 226, 228, 242, 243, 246, 249, 253
+ sodium hydroxide	E159 - E162, 197, 201, 207, 215 - 219, 227, 244
+ sodium sulfide	E181, 252
+ sulfur dioxide	E177, 236
+ sulfur trioxide	E177, 210
+ sulfuric acid, zinc salt	212
+ zinc chloride	E179, 204
Zinc oxide (multi component)	
+ ammonia	E178, 269, 303
+ carbon dioxide	E181, 268
+ silver (I) oxide	140
+ sodium chloride	E181, 231 - 234, 268
+ sulfuric acid, ammonium salt	E178, 269
+ sodium hydroxide	231 - 234, 265, 266
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