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Process Systems

Expertise In
Engineered Plastics

Chemical Resistance Guide

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This document is only intended as an orientation aid for material selection and is not binding. No guarantee can be given that the resistance indicated here generally applies to each individual application. Moreover, this document does not give an assurance of particular material properties.

General Information on the Chemical Resistance of Materials

Plastics are ideal materials for the construction of pipework and are often superior to metals with regard to their material properties and costs. However, it is important to select the materials carefully in order to avoid material failure that can lead to costs and present a safety risk, in particular, in the case of aggressive media. As pressure/temperature curves are generally determined for the medium water, additional consideration should be given to the chemical resistance at the operating temperature of the application. This resistance list listing the chemical resistance of the thermoplastics, elastomers and bearing materials contained in our product range to a large number of media, is intended as a decision making aid for selecting the materials. The degree of chemical resistance is classified in our list as follows:

"+ = resistant:
The material is generally assessed as suitable.

"0" = Conditionally resistant:
The material is subject to attack by the medium. However, the material may be used under certain limited conditions. It is advisable to carry out more extensive tests.

"-" = Non-Resistant:
The material is generally assessed as unsuitable.

not specified:
The material has not been tested with the medium at the specified temperature.
The resistance of materials to mixtures of chemicals may differ from their resistance to the pure media.
Discolorations which are caused by some media, but have no effect on the physical properties of the materials, are not included in this list.

The question regarding the chemical resistance of a material with the specification "resistant", "conditionally resistant" or "non-resistant" seems simple at first glance. However, answering this question involves the consideration of complicated interrelations that have not yet been completely clarified to date. That does not mean that plastics engineers do not have access to a large number of reliable values with regard to the resistance of plastics and cannot make good predications on the resistance. However, it does mean that there is always a certain element of uncertainty. This resistance guide is based on our own laboratory trials and our practical experience over the years."

However, the resistance specifications cannot be applied to all possible operating conditions without taking further factors into consideration.

For example, a general resistance list can hardly take the phenomenon of stress crack corrosion for each application into consideration. Furthermore, the type and amount of additives such as plasticizers, fillers and stabilizers have a considerable influence on the resistance of materials. This applies particularly to elastomers, whose properties are determined not only by the base material but also by the other recipe ingredients and the curing parameters. In the case of thermoplastic materials such as PVC, the type and proportion of the impact resistance modifier can lead to different degrees of resistance. This occurs especially in cases of highly concentrated contact fluids and can often only be detected with regard to long-term behavior.

In addition to the chemical resistance of the materials used, the constructional details also influence the suitability of the finished product. PTFE, for example, is resistant to virtually all media, even at higher temperatures. Nevertheless, some media, particularly at higher pressures, are able to diffuse through PTFE layers (permeation). This must be taken into consideration for PTFE coated elastomer diaphragms. Partly we offer product variants with an additional permeation-stopping foil (PFA or ECTFE).

Therefore, the resistance list cannot replace conducting your own practical tests.

Controlled individual tests must be performed on safety components subject to high stress, in particular, to reliably prove their suitability. Creep tests conducted for at least thousand hours or comparison of short-term tensile strength before and after the preselected chemical contact at the respective necessary
temperature are suitable methods for determining suitability.

Structure and Usage of this List
This is followed on the next pages:
- properties of selected materials
- list of media
- list of chemical resistances

Since different, synonymous names are common for many media, the resistance list is sorted by four-digit media numbers, which can be found in the list of media. Mixed acids are precisely defined in our resistance list by the mass content (percentage) of acids related to the hole mixture. Within a name the acid components are sorted by decreasing mass content.

Legal Notes

Chemical	Number
acetaldehyde	1014
acetamide	1015
acetanilide	1017
acetic acid	1310
acetic acid amide	1015
acetic acid amyl ester	1078
acetic acid anilide	1017
acetic acid butyl ester	1160
acetic acid ethyl ester	1317
acetic acid methyl ester	1481
acetic acid potassium salt	1386
acetic acid sodium salt	1509
acetic acid vinyl ester	1695
acetic anhydride	1016
acetone	1018
acetonitrile	1020
acetophenone	1021
acetylacetone	1022
acetylbenzene	1021
acetyl chloride	1023
acetylene	1024
acetylene tetrachloride	1670
2-acetyloxybenzoic acid	1025
acetylsalicylic acid	1025
O-acetylsalicylic acid	1025
acrylic acid butyl ester	1028
acrylic acid ethyl ester	1318
acrylonitrile	1027
adipic acid	1029
air	1461
alkane sulfonic acids (mixtures)	1031
alkyl sulfates	1332
allyl alcohol	1032
allyl chloride	1033
alum	1030
alumina	1044
aluminum acetate basic	1034
aluminum ammonium sulfate	1035
aluminum fluoride	1040

Chemical	Number
aluminium chlorate	1036
aluminium chloride	1037
aluminium fluorosilicate	1041
aluminium hydroxide	1042
aluminium iron(II) sulfate	1039
aluminium nitrate	1043
aluminium oxide	1044
aluminium sulfate	1045
aluminum trifluoride	1040
amidosulfuric acid	1657
amino acetic acid	1051
amino acids	1052
p-aminoazobenzene	1048
aminobenzene	1083
4-aminobenzenesulfonic acid	1050
4-am inobenzoic acid	1049
1 -aminobutane	1161
aminocarboxylic acids	1052
am inocyclohexane	1250
2-am inoethanol	1313
2-am inoglutaric acid	1358
(R)-2-am ino-3-mercaptopropionic acid	1253
aminomethane	1482
aminosulfonic acid	1657
ammonia, aqueous solution	1054
ammonia, gaseous	1053
ammonium acetate	1056
ammonium alum	1035
ammonium aluminum sulfate	1035
ammonium benzoate	1057
ammonium bicarbonate	1066
ammonium bisulfate	1067
ammonium bisulfide	1068
ammonium bromide	1058
ammonium carbonate	1059
ammonium chloride	1060
ammonium citrate	1061
ammonium formate	1065
ammonium heptamolybdate	1069

Chemical	Number
ammonium dichromate	1062
ammonium dihydrogenphosphate	1099
ammonium fluoride	1063
ammonium hexafluorosilicate	1064
ammonium hydrogencarbonate	1066
ammonium hydrogenphosphate	1073
ammonium hydrogensulfate	1067
ammonium hydrogensulfide	1068
ammonium hydroxide	1054
ammonium iron(II) sulfate	1046
ammonium iron(III) sulfate	1763
ammonium metatungstate	1055
ammonium molybdate	1069
ammonium nitrate	1070
ammonium oxalate	1071
ammonium peroxo disulfate	1072
ammonium persulfate	1072
ammonium rhodanide	1074
ammonium sulfamate	1075
ammonium sulfate	1076
ammonium sulfide	1077
ammonium thiocyanate	1074
amyl acetate	1078
amyl alcohol	1079
amyl alcohol (mixture of isomers)	1583
sec-amyl alcohol	1745
amyl chloride	1080
amyl laurate	1081
p-tert-amyl phenol	1082
aniline	1083
aniline sulfate	1084
aniline sulfite	1085
aniline-4-sulfonic acid	1050
anilinium sulfate	1084
anilinium sulfite	1085
p-an anisaldehyde	1086
anise oil	1088
anisole	1087
antimony pentachloride	1091

Chemical	Number
antimony trichloride	1092
antimony(III) chloride	1092
antimony(V) chloride	1091
aqua regia	1425
argon	2776
arsenic acid	1095
arsenic sulfides	1096
arsenic trioxide	1097
arsenic(III) oxide	1097
arsenious acid	1094
arsenious acid anhydride	1097
L(+)-ascorbic acid	1098
9-azafluorene	1197
1 -azanaphthalene	1202
barium carbonate	1100
barium chloride	1101
barium cyanide	1102
barium hydroxide	1103
barium nitrate	1104
barium peroxide	1105
barium sulfate	1106
barium sulfide	1107
baryta white	1106
beer	1129
beer color	1130
benzal chloride	1110
benzaldehyde	1111
benzaldehyde oxime	1090
benzamide	1112
benzene	1117
benzenecarboxylic acid	1116
benzene-1 ,2-dicarboxylic acid	1598
benzene sulfonic acid	1120
benzene	1447
benzoic acid	1116
benzoic acid amide	1112
benzoic acid ammonium salt	1057
benzoic acid anhydride	1118
benzoic acid calcium salt	1172

Chemical	Number
benzoic acid chloride	1121
benzoic acid sodium salt	1119
benzoic anhydride	1118
benzophenone	1290
benzoyl chloride	1121
benzyl alcohol	1122
benzyl chloride	1123
N-benzyl-N-ethyl aniline	1124
N-benzyl-N-ethylphenylamine	1124
benzylidene chloride	1110
beryllium chloride	1126
beryllium fluoride	1127
beryllium sulfate	1128
biphenyl	1287
1,1 -bis(4-chlorophenyl)-2,2,2-trichloroethane	1255
bis(2-hydroxyethyl)amine	1271
bis(2-hydroxyethyl)ether	1273
bisulfite lye	1131
borax	1546
boric acid	1142
boric acid trimethyl ester	1689
(+/-)-borneol	1417
boron trichloride	1143
boron trifluoride	1144
brandy	1711
brine	1525
brine	1624
bromine	1148
bromine vapors	1146
bromine, aqueous solution	1150
1 -bromobutane	1162
1 -bromo-2-chloroethane	1145
bromochloromethane	1210
bromoethane	1147
bromoform	1149
bromomethane	1483
1 ,3-butadiene	1152
butane	1154

Chemical	Number
butane-1,4-dicarboxylic acid	1029
butanedioic acid	1125
1 ,4-butanediol	1153
1 -butanethiol	1156
butanoic acid	1159
1 -butanol	1155
2-butanol	1739
butanone	1328
trans-2-butenal	1239
1 -butene	1157
cis-2-butene-1,4-dioic acid	1470
trans-2-butenoic acid	1241
2-butoxyethanol	2143
butyl Cellosolve	2143
butyl acetate	1160
butyl acrylate	1028
butyl alcohol	1155
sec-butyl alcohol	1739
butylamine	1161
butyl bromide	1162
butyl chloride	1163
butylene	1157
butyl ether	1260
1 -butyl mercaptan	1156
4-tert-butylphenol	1164
butyl phosphate	1165
butylstearate	1653
1 -butyne	1158
butyric acid	1159
cadmium acetate	1166
cadmium chloride	1167
cadmium cyanide	1168
cadmium sulfate	1169
calcium acetate	1170
calcium acetylide	1174
calcium arsenate	1171
calcium benzoate	1172
calcium bicarbonate	1180
calcium bisulfite	1192

Chemical	Number
calcium bromide	1173
calcium carbide	1174
calcium carbonate	1175
calcium chlorate	1176
calcium chloride	1177
calcium chloride hypochlorite	1215
calcium chromate	1178
calcium dihydrogen phosphate	1188
calcium fluoride	1179
calcium hydrogen carbonate	1180
calcium hydrogen sulfide	1181
calcium hydrogen sulfite	1192
calcium hydroxide	1182
calcium hypochlorite	1183
calcium nitrate	1184
calcium othoarsenate	1171
calcium oxalate	1185
calcium permanganate	1186
calcium peroxide	1187
calcium sulfate	1189
calcium sulfide	1190
calcium sulfite	1191
(+/-)-camphor	1193
camphor oil	1194
e-caprolactam	1195
e-caprolactone	1196
carbam ide	1363
carbazole	1197
carbide	1174
carbolineum	1198
carbon dioxide	1423
carbon disulfide	1199
carbon monoxide	1424
carbon tetrabromide	1669
carbon tetrachloride	1672
carbonic acid diamide	1363
carbonic acid dichloride	1591
carbonyl dichloride	1591
Carbowax	1604

Chemical	Number
carboxylic acids > C6	1335
Caro´s acid	1200
caustic soda	1547
cetylic acid	1578
chloral	1682
chloral hydrate	1206
chloramine B	1207
chloric acid	1219
chloride of lime	1215
chlorine	1213
chlorine, aqueous solution	1224
chloroacetaldehyde	1204
chloroacetic acid	1211
chloroacetic acid ethyl ester	1501
chloroacetic acid methyl ester	1502
chloroacetone	1205
chloroallyl chloride	1268
chlorobenzene	1208
N-chlorobenzene sulfonic acid amide sodium salt	1207
1 -chlorobutane	1163
4-chloro-m-cresol	1216
chlorodifluoro methane	1347
1 -chloro-2,3-epoxypropane	1307
chloroethanal	1204
chloromethane	1320
chloroethanol	1212
chloroethylene	1696
chloroform	1217
1 -chloro-4-hydroxy-2-methylbenzene	1216
chloromethane	1484
chloromethyloxirane	1307
4-chloro-3-methylphenol	1216
1 -chloropentane	1080
chlorophenol (2-, 3- a. 4-)	1218
chloropicrin	1686
3-chloro-1 ,2-propanediol	1361
1 -chloro-2-propanone	1205
3-chloropropene	1033

Chemical	Number
chloro sulfonic acid	1220
chloro sulfuric acid	1220
chlorotoluene (2-, 3- a. 4-)	1221
a-chlorotoluene	1123
chlorotrifluoroethylene	1222
chromatite	1178
chromic acid	1232
chromium alum	1226
chromium(III) chloride	1227
chromium(III) fluoride	1228
chromium(III) hydroxide	1229
chromium(III) nitrate	1230
chromium(III) oxide	1231
chromium(III) potassium sulfate	1226
chromo sulfuric acid	1233
chromo sulfuric acid	1234
chromo sulfuric acid	1235
chromo sulfuric acid	1236
chromo sulfuric acid	1237
citric acid	1238
citric acid triammonium salt	1061
citric acid trisodium salt	1528
cod liver oil	1446
colamine	1313
condensed water	1702
copper tetramine compounds	1438
copper(I) chloride	1429
copper(II) cyanide	1434
copper(II) acetate arsenate(III)	1431
copper(II) carbonate basic	1432
copper(II) carbonate hydroxide	1432
copper(II) chloride	1433
copper(II) fluoride	1437
copper(II) hydroxide carbonate	1432
copper(II) nitrate	1435
copper(II) sulfate	1436
creosote	1426
cresol(o-, m-, a.p-)	1427
cresol sulfonic acid	1428

Chemical	Number
croton aldehyde	1239
crotonic acid	1241
crude oil	1309
cumene	1242
cyanamide	1243
cyanoacetic acid ethyl ester	1244
cyclohexanamine	1250
cyclohexane	1246
cyclohexanol	1247
cyclohexanone	1248
cyclohexene	1249
cyclohexylamine	1250
cymene (o-, m- a. p-)	1252
cys	1253
L-cysteine	1253
L-cysteine	1254
DDT	1255
decahydronaphthalene	1256
decaline	1256
n-decane	2185
dextran	1257
dextrin	1258
dextrose	1259
diamine	1371
1 ,2-diaminoethane	1322
dibenzene	1287
dibenzo[b,d]pyrrole	1197
1 ,2-dibromoethane	1321
dibutyl ether	1260
dibutyl phthalate	1261
dichloroacetic acid	1263
dichlorobenzene (o-, m- a. p-)	1262
1,2- dichloroethane	1264
1,1- dichloroethene	1265
1,1- dichloroethylene	1265
dichlorofluoromethane	1346
dichloromethane	1266
1,2- dichloropropane	1267
1,3- dichloropropane	1268

Chemical	Number
1,2- dichlorotetrafluoroethane	1269
a,a- dichlorotoluene	1110
Diesel fuels	1270
diethanolamine	1271
1,2-diethoxyethane	1325
diethylamine	1272
diethylene glycol	1273
diethyl ether	1274
diethyl glycol	1325
diethyl ketone	1275
diglycol	1273
diglycolic acid	1276
1,4- dihydroxybenzene	1373
diisobutyl ketone	1277
diisopropyl ether	1278
N,N- dimethylacetamide	1955
dimethylamine	1279
N,N- dimethylaniline	1280
dimethyl benzene(mixture of isomers)	1715
dimethylene oxide	1326
dichlorodifluoromethane	1345
dichlorodiphenyltrichloroethane	1255
dimethylformam ide	1282
N, N-dimethylformamide	1282
2,6-dimethyl-4-heptanone	1277
1,1 -dimethyl hydrazine	1283
dimethyl ketone	1018
dimethyl phthalate	1284
dimethyl sulfate	1491
1 ,4-dioxane	1286
diphenyl	1287
diphenylamine	1288
diphenyl ether	1289
diphenyl ketone	1290
diphenyl oxide	1289
disodium hydrogen phosphate	1285
disodium tetraborate	1546
DMAc	1955
DMF	1282

Chemical	Number
DMP	1284
dodecanoic acid	1442
dodecanoic acid pentyl ester	1081
1-dodecanol	1444
dodecanoyl chloride	1443
EDTA	1323
epichlorohydrin	1307
1 ,2-epoxypropane	1610
ethanal	1014
ethane	1311
ethane-1,2-diamine	1322
ethane-1 ,2-dicarboxylic acid	1125
ethanedioic acid	1575
1 ,2-ethanediol	1324
ethane nitrile	1020
ethanoic acid	1310
ethanoic anhydride	1016
ethanoic chloride	1023
ethanol	1312
ethanolamine	1313
ethene	1314
ether	1274
ethinylcarbinol	1607
ethyl acetate	1317
ethyl acrylate	1318
ethyl alcohol	1312
ethyl benzene	1319
ethyl bromide	1147
ethyl chloride	1320
ethyl chloroacetate	1501
ethyl cyanoacetate	1244
ethylene	1314
ethylene bromide	1321
ethylene chloride	1264
ethylene chlorohydrin	1212
ethylene diamine	1322
ethylenediaminetetra acetic acid	1323
ethylene glycol	1324
ethylene glycol diethyl ether	1325

Chemical	Number
ethylene glycol dinitrate	1559
ethylene glycol monobutyl ether	2143
ethylene glycol monomethyl ether	2260
ethylene oxide	1326
ethyl ether	1274
2-ethyl-1-hexanol	1316
ethyl methyl ketone	1328
N-ethyl-N-phenylbenzylamine	1124
ethyne	1024
fatty acids > C6	1335
fatty alcohol sulfates	1332
fatty alcohols	1331
ferric chloride	1298
fish liver oil	1446
fluorine	1336
fluoroboric acid	1337
fluorosilicic acid	1338
fluorspar	1179
formaldehyde	1340
formamide	1341
formic acid	1047
formic acid amide	1341
formic acid ammonium salt	1065
formic acid methyl ester	1487
formic acid sodium salt	1531
Freon 11(CFC-11, F-11)	1342
Freon 112 (CFC-112, F-112)	1343
Freon 113 (CFC-113, F-113)	1344
Freon 12 (CFC-12, F-12)	1345
Freon 21 (HCFC-21, F-21)	1346
Freon 22 (CFC-22, F-22)	1347
Frigen 11	1342
Frigen 114	1269
D-fructose	1349
fruit juice, fermented	1565
fruit juice, not fermented	1564
fruit juices	1348
fruit pulp	1563
furan	1350

Chemical	Number
furfural	1351
furfuryl alcohol	1352
2-furylaldehyde	1351
2-furylmethanol	1352
gallotannic acid	1665
gasoline, free of lead and aromatics	1113
gasoline, Super	1114
gelatine	1356
Genapol X-80	1353
D(+)-glucose	1259
glutamic acid	1358
glycerol	1360
glycine	1051
glycol	1324
glycolic acid	1359
guajacol/cresol-mixture	1426
gypsum	1189
n-heptane	1364
hexachloroethane	1584
hexadecanoic acid	1578
hexafluorosilicic acid	1338
hexahydro-2H-azepin-2-one	1195
hexahydrobenzene	1246
hexahydrotoluene	1485
n-hexane	1365
hexanedioic acid	1029
1 ,2,6-hexanetriol	1366
6-hexanolide	1196
honey	1370
hydrazine	1371
hydrazine hydrate	1372
hydrazinium hydroxide	1372
hydriodic acid	1383
hydrobromic acid	1151
hydrochloric acid	1623
hydrocyanic acid	1132
hydrofluoric acid	1339
hydrogen	1708
hydrogen chloride	1225

Chemical	Number
hydrogen cyanide	1132
hydrogen peroxide	1709
hydrogen sulfide	1635
hydrogen superoxide	1709
hydrogen tetrafluoroborate	1337
hydrogensulfite lye	1131
hydroquinone	1373
hydroxyacetic acid	1359
hydroxyaluminum diacetate	1034
hydroxybenzene	1588
2-hydroxybenzoic acid	1620
2-hydroxybenzoic acid methyl ester	1490
hydroxybutanedioic acid	1093
6-hydroxyhexanoic acid lactone	1196
hydroxylamine sulfate	1374
hydroxylammonium sulfate	1374
2-hydroxymethylfuran	1352
2-hydroxy-1,2,3-propanetricaboxylicacid	1238
3-hydroxypropene	1032
2-hydroxypropionic acid	1493
hydroxysuccinic acid	1093
2,2'-iminodiethanol	1271
iodine	1380
iodine potassium iodide solution	1381
iodoform	1382
iron oxalate	1303
iron(II) chloride	1296
iron(II) hydroxide	1297
iron(II) nitrate	1301
iron(II) sulfate	1302
iron(II)/(III) oxalate	1303
iron(III) chloride	1298
iron(III) chloride sulfate	1295
iron(III) nitrate	1299
iron(III) sulfate	1300
isobutyl methyl ketone	1488
isobutyltrimethyl methane	1377
isooctane	1377
isooctanol	1316

Chemical	Number
isopropanol	1378
Isopropyl alcohol	1378
isopropylbenzene	1242
isopropyl ether	1278
Isopropylmethylbenzene (o-, m- a. p-)	1252
isovalerone	1277
kerosene	1586
lactic acid	1493
lactic acid sodium salt	1535
D(+)-lactobiose	1439
D(+)-lactose	1439
lanolin	1440
latex	1441
lauric acid	1442
lauric acid amyl ester	1081
lauric acid chloride	1443
lauroyl chloride	1443
lauryl alcohol	1444
lead tetraethyl	1673
lead(II) acetate	1133
lead arsenate	1134
lead(II) carbonate	1135
lead(II) chloride	1137
lead(II) hydrogenarsenate	1134
lead(II) nitrate	1138
lead(II) sulfate	1139
light oil	1448
light petrol	1447
lighting gas, benzene-free	1451
lignoceryl alcohol	1698
lime	1175
lime milk	1182
linoleic acid	1453
linseed oil	1450
liqueurs	1452
liquid manure	1379
lithium bromide	1455
lithium carbonate	1456
lithium chloride	1457

Chemical	Number
lithium hydroxide	1459
lithium sulfate	1460
magnesium carbonate basic	1462
magnesium chloride	1463
magnesium fluoride	1464
magnesium hydroxide	1465
magnesium nitrate	1466
magnesium oxide	1467
magnesium sulfate	1468
magnesium sulfite	1469
maleic acid	1470
malic acid	1093
malonic acid	1478
manganese dioxide	1472
manganese(II) chloride	1471
manganese(II) sulfate	1473
manganese(IV) oxide	1472
marmelade	1474
mercaptoacetic acid	1676
mercury	1612
mercury(II) chloride	1614
mercury(II) cyanide	1615
mercury(II) nitrate	1616
methacrylic acid methyl ester	1489
methanal	1340
methane	1477
methanedicarboxylic acid	1478
methane sulfonic acid	1480
methanoic acid	1047
methanol	1479
4-methoxybenzaldehyde	1086
methoxybenzene	1087
2-methoxyethanol	2260
methyl acetate	1481
methyl Cellosolve	2260
methyl chloride	1484
methyl formate	1487
methyl salicylate	1490
methylacetic acid	1608

Chemical	Number
methyl alcohol	1479
methylamine	1482
methylbenzene	1679
4-methylbenzenesulfonic acid	1582
methyl bromide	1483
4-(2-methyl-2-butyl)phenol	1082
methyl chloroacetate	1502
methyl cyanide	1020
methylcyclohexane	1485
methylene chloride	1266
methyl ethyl ketone (MEK)	1328
methyl isobutyl ketone (MIBK)	1488
methyl methacrylate	1489
4-methyl-2-pentanone	1488
methylphenol (o-, m-, a. p-)	1427
methyl phenyl ether	1087
methyl phenyl ketone	1021
(S)-(-)-1-methyl-2-(3-pyridyl)pyrrolidine	1554
methylsulfuric acid	1480
milk	1492
milk sugar	1439
mineral oils	1494
mineral water	1704
mixed acid: H2SO4 18%, HNO3 15%, HF 5%	1499
mixed acid: H2SO4 25%, HNO3 25%, HF 10%	1506
mixed acid: H2SO4 50%, HNO3 33%	1497
mixed acid: H2SO4 50%, HNO3 50%	1498
mixed acid: HCl 27%, HNO3 18%	1425
mixed acid: HNO3 12%, HF 5%	1723
mixed acid: HNO3 20%, H2SO4 10%	1495
mixed acid: HNO3 20%, HF 5%	1724
mixed acid: HNO3 50%, HF 10%	1500
mixed acid: HNO3 59%, HF 4,5%	1503
mixed acid: HNO3 87%, H2SO4 10%	1496
molasses	1476
Monoamyl phthalate	1599
monobytyl phthalate	1600
monochloroacetic acid	1211
monochloroacetic acid ethyl ester	1501

Chemical	Number
monochloroacetic acid methyl ester	1502
monochloro acetone	1205
monochlorobenzene	1208
monopentyl phthalate	1599
morphine	1504
morpholine	1505
mercury(II) sulfate	1613
naphthalene	1507
naphthalene sulfonic acid (mixture of isomers)	1508
natural gas	1308
niacin	1555
nickel(II) chloride	1548
nickel(II) nitrate	1549
nickel(II) sulfate	1550
nickel(II) sulfide	1551
nickel(II) sulfite	1552
nickel(II) tartrate	1553
(S)-(-)-nicotine	1554
nicotinic acid	1555
nitric acid	1621
2,2',2''-nitrilotriethanol	1687
nitrobenzene	1556
nitrobenzoic acid (o-, m- a. p-)	1557
nitrogen	1659
nitroglycol	1559
nitrophenol (o-, m- a. p-)	1560
nitrotoluene (o-, m- a. p-)	1562
nitrotrichloromethane	1686
nitrous acid	1622
nitrous gases	1007
cis,cis-9,12-octadecadienoic acid	1453
octadecanoic acid	1652
octadecanoic acid butyl ester	1653
cis-9-octadecenoic acid	1573
octane	1566
octyloxytoluene (o-, m-, a. p-)	1567
octyl tolyl ether (o-, m-, a. p-)	1567
oil (vegetable + animal)	1569

Chemical	Number
oil of turpentine	1668
oleic acid	1573
oleum	1570
oleum vapors	1571
olive oil	1572
orthophosphoric acid	1574
orthosilicic acid	1421
oxalic acid	1575
oxalic acid calcium salt	1185
oxalic acid diammonium salt	1071
oxalic acid iron salts	1303
oxirane	1326
oxolane	1674
oxygen	1625
ozone	1576
PABA	1049
PAC	1603
palm kernel oil	1579
palm seed oil	1579
palmitic acid	1578
paraffin oil	1694
paraffins	1580
2,4-pentanedione	1022
pentanol (mixture of isomers)	1583
1 -pentanol	1079
2 -pentanol	1745
3-pentanone	1275
1 -pentyl acetate	1078
1 -pentyl chloride	1080
perchloric acid	1585
perchloroethane	1584
perchloroethene	1671
peroxosulfuric acid	1200
petrol-benzene mixture	1115
petroleum	1309
petroleum ether	1447
phenol	1588
N-phenylacetamide	1017
phenylam ine	1083

Chemical	Number
N-phenylaniline	1288
4-phenylazoaniline	1048
phenylethane	1319
phenyl ether	1289
phenylethylene	1656
phenylformic acid	1116
phenylhydrazine	1590
2-phenylpropane	1242
phenylsulfonic acid	1120
phosgene	1591
phosphane	1594
phosphine	1594
phosphoric acid	1574
phosphoric acid butyl ester	1165
phosphoric acid tributyl ester	1681
phosphoric acid trichloride	1597
phosphoric acid trioctyl ester	1690
phosphoroxy chloride	1597
phosphorus pentoxide	1596
phosphorus trichloride	1595
phosphorus(III) chloride	1595
phosphorus(V) oxide	1596
phosphoryl chloride	1597
phthalic acid	1598
phthalic acid dibutyl ester	1261
phthalic acid dimethyl ester	1284
phthalic acid monobutyl ester	1600
phthalic acid monopentyl ester	1599
picric acid	1601
pivaloyl chloride	2218
polyaluminium chloride	1603
polydimethylsiloxane	1643
polyethylene glycol	1604
polyglycol, PEG	1604
potash	1395
potash lye	1384
potassium acetate	1386
potassium alum	1030
potassium aluminum sulfate	1030

Chemical	Number
potassium bicarbonate	1387
potassium bisulfate	1389
potassium bisulfite	1390
potassium borate	1392
potassium bromate	1393
potassium bromide	1394
potassium carbonate	1395
potassium chlorate	1396
potassium chloride	1397
potassium chlorite	1398
potassium chromate	1399
potassium chromium(III) sulfate	1226
potassium cyanate	1400
potassium cyanide	1401
potassium dichromate	1388
potassium dihydrogen phosphate	1411
potassium ferricyanide	1330
potassium ferrocyanide	1329
potassium fluoride	1402
potassium hexacyanoferrate(II)	1329
potassium hexacyanoferrate(III)	1330
potassium hydrogencarbonate	1387
potassium hydrogensulfate	1389
potassium hydrogensulfite	1390
potassium hydrogen-L-tartrate	1391
potassium hydroxide	1384
potassium hypochlorite	1403
potassium iodate	1404
potassium iodide	1405
potassium manganate(VII)	1409
potassium metaborate	1406
potassium nitrate	1385
potassium nitrite	1407
potassium perchlorate	1408
potassium permanganate	1409
potassium peroxodisulfate	1410
potassium persulfate	1410
potassium polyiodide solution	1381
potassium sulfate	1412

Chemical	Number
potassium sulfide	1413
potassium sulfite	1414
potassium L-tartrate	1415
propane	1605
propanedioic acid	1478
1,2-propanediol	1609
propanetriol	1360
propanoic acid	1608
1-propanol	1606
2-propanol	1378
propanone	1018
propargyl alcohol	1607
propene oxide	1610
2-propenoic acid ethyl ester	1318
propenol	1032
2-propin-1-ol	1607
propionic acid	1608
propyl alcohol	1606
propylene oxide	1610
propylene chloride	1267
propylene glycol	1609
pure water	1705
pyridine	1611
pyridine-3-carboxylic acid	1555
quinine	1201
quinol	1373
quinoline	1202
red prussiate	1330
yellow prussiate	1329
roasting gases, dry	1619
salicylic acid	1620
salicylic acid methyl ester	1490
Schweinfurter Green	1431
seawater	1703
silicic acid	1421
silicone oil	1643
silver acetate	1638
silver chloride	1639
silver cyanide	1640

Chemical	Number
silver nitrate	1641
silver sulfate	1642
slaked lime	1182
soap	1627
soap hydrous solution	1637
soda	1522
soda lye	1547
sodium acetate	1509
sodium aluminate	1510
sodium arsenate	1511
sodium arsenite	1512
sodium benzoate	1119
sodium bicarbonate	1513
sodium bisulfate	1515
sodium bisulfide	1517
sodium bisulfite	1518
sodium bromate	1520
sodium bromide	1521
sodium carbonate	1522
sodium chlorate	1524
sodium chloride	1525
sodium chlorite	1526
sodium chromate	1527
sodium citrate	1528
sodium cyanide	1529
sodium dichromate	1514
sodium fluoride	1530
sodium fluorosilicate	1420
sodium formate	1531
sodium hexafluorosilicate	1420
sodium hydrogencarbonate	1513
sodium hydrogenphosphate	1285
sodium hydrogensulfate	1515
sodium hydrogensulfide	1517
sodium hydrogensulfite	1518
sodium hydroxide	1547
sodium hypochlorite	1209
sodium hypophosphite	1533
sodium iodide	1534

Chemical	Number
sodium lactate	1535
sodium metasilicate	1535
sodium nitrate	1536
sodium nitrite	1537
sodium perborate	1519
sodium perchlorate	1538
sodium peroxide	1539
sodium peroxoborate	1519
sodium peroxodisulfate	1540
sodium persulfate	1540
sodium phosphate	1541
sodium phosphinate	1533
sodium silicate	1542
sodium sulfate	1543
sodium sulfide	1544
sodium sulfite	1545
sodium tetraborate	1546
sodium thiosulfate	1089
soft soap	1627
sperm oil	1644
spin bath acid with carbondisulfide	1646
starch gum	1258
starch syrup	1650
starch solution	1649
stearic acid	1652
stearic acid butyl ester	1653
strontium chloride	1655
styrene	1656
succinic acid	1125
sugar syrup	1722
sulfamic acid	1657
sulfamic acid ammonium salt	1075
sulfanilic acid	1050
sulfur	1628
sulfur dioxide, aqueous solution	1636
sulfur dioxide, gaseous	1629
sulfur trioxide	1634
sulfuric acid	1632
sulfuric acid anhydride	1634

Chemical	Number
sulfuric acid dimethyl ester	1491
sulfurous acid	1636
SurTec 104 universal cleaner	1658
sulfurous acid dichloride	1677
table salt	1525
Tanigan® extra A	1660
Tanigan® extra B	1661
Tanigan® extra D	1662
Tanigan® F	1663
Tanigan® U	1664
tannic acid	1665
tannin	1665
tartar	1391
L-tartaric acid dipotassium salt	1415
L(+)-tartaric acid	1713
L(+)-tartaric acid monopotassium salt	1391
L(+)-tartaric acid nickel salt	1553
tartaric acid, naturally	1713
TBP	1681
TCE	1670
TEL	1673
tetrabromomethane	1669
1,1,2,2-tetrachloro-1,2-difluoroethane	1343
1,1,2,2-tetrachloroethane	1670
tetrachloroethene	1671
tetrachloroethylene	1671
tetrachloromethane	1672
1-tetracosanol	1698
tetraethyl lead	1673
tetrafluoroboric acid	1337
1,2,3,4-tetrahydrobenzene	1249
tetrahydrofuran	1674
1 ,2,3,4-tetrahydronaphthalene	1675
tetrahydro-1,4-oxazine	1505
Tetralin®	1675
tetramethylene glycol	1153
THE	1674
thioglycolic acid	1676
thionyl chloride	1677

Chemical	Number
thiophene	1678
tin(II) chloride	1721
Titriplex® II	1323
toluene	1679
p-toluenesulfonic acid	1582
triammonium citrate	1061
tribromomethane	1149
tributyl phosphate	1681
trichloroacetaldehyde	1682
trichloroacetaldehyde hydrate	1206
trichloroacetic acid	1684
trichlorobenzene (mixture of isomers)	1683
trichloroborane	1143
trichloroethene	1685
trichloroethylene	1685
trichlorofluoromethane	1342
trichloromethane	1217
trichloronitromethane	1686
1 ,2,2-trichloro-1 ,1,2-trifluoroethane	1344
triethanolamine	1687
triethylene glycol	1688
trifluoroborane	1144
trifluorovinyl chloride	1222
triglyceride	1333
triglycol	1688
1,2,6-trihydroxyhexane	1366
2,6,8-trihydroxypurine	1362
triiodomethane	1382
trimethyl borate	1689
2,2,4-trimethylpentane	1377
2,4,6-trinitrophenol	1601
trimethylacetyl chloride	2218
trioctyl phosphate	1690
trioxygen	1576
trisodium citrate	1528
trisodium phosphate	1541
turpentine	1666
turpentine benzene	1667
urea	1363

Chemical	Number
uric acid	1362
urine	1692
vaseline	1693
vaseline oil	1694
vinyl acetate	1695
vinylbenzene	1656
vinyl chloride	1696
vinyl cyanide	1027
vinylidene dichloride	1265
viscose spinning solutions	1697
vitamin C	1098
waste gas with carbon dioxide	1006
waste gas with carbon monoxide	1005
waste gas with hydrogen cyanide	1003
waste gas with hydrogen fluoride	1004
waste gas with nitrous gases	1007
waste gas with sulfur dioxide	1010
waste gas with sulfur trioxide	1012
water, condensed	1702
water, mineral water	1704
water, pure	1705
water, seawater	1703
water, traces of butanol and phenol	1706
wax alcohol	1698
wine vinegar	1712
wine, red and white	1710
xylene (mixture of isomers)	1715
zinc carbonate basic	1716
zinc chloride	1717
zinc hydrogenphosphate	1719
zinc hydroxide carbonate	1716
zinc nitrate	1718
zinc sulfate	1720

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1003	**waste gas with hydrogen cyanide**	gas	LC	68	20	+		+	+	+	+	+															
	HCN	gas	LC	104	40					+	+	+															
	CHN	gas	LC	140	60					+	+	+															
		gas	LC	176	80					+	+	+															
		gas	LC	212	100					+	+	+															
		gas	LC	248	120						+	+															
1004	**waste gas with hydrogen fluoride**	gas	LC	68	20	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
	HF	gas	LC	104	40	+		+	+	+	+	+		+	+	+	+	+	**0**	+	+	+	+				
		gas	LC	140	60	+		+	+	+	+	+		+	+	+	+	+		**0**	**0**	+	+				
		gas	LC	176	80					+	+	+						**0**				+	**0**				
		gas	LC	212	100					+	+	+						-									
		gas	LC	248	120					+	+	+															
1005	**waste gas with carbon monoxide**	gas	HC	68	20	+	+	+	+	+	+	+		+					+	+	+	+	+				
	CO	gas	HC	104	40	+	+	+	+	+	+	+		+					+	+	+	+	+				
		gas	HC	140	60	+	+	+	+	+	+	+		+					+	+	+	+	+				
		gas	HC	176	80		+		+	+	+	+										+	+				
		gas	HC	212	100					+	+	+										+					
		gas	HC	248	120					+	+	+										+					
1006	**waste gas with carbon dioxide**	gas	HC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+			
	CO2	gas	HC	104	40	+	+	+	+	+	+	+		+	+	+	+	**0**	+	+	+	+	+	+			
		gas	HC	140	60	+	+	+	+	+	+	+		+	+	+	+	-	+	+	+	+	+	+			
		gas	HC	176	80		+			+	+	+												+			
		gas	HC	212	100					+	+	+												+			
		gas	HC	248	120					+	+	+												+			
1007	**waste gas with nitrous Gases**	gas	LC	68	20	+	+	+	+	+	+	+		**0**		+			**0**	+		+	+	+			
	Nitrous Gases	gas	LC	104	40	+	+	+	+	+	+	+				+			**0**	+		+	+	+			
	NOx	gas	LC	140	60	+	+	+	**0**	+	+	+				+			-	+		+	+	+			
		gas	LC	176	80		+			+	+	+								**0**		+	**0**	+			
		gas	LC	212	100					+	+	+										**0**		+			
		gas	LC	248	120					+	+	+												+			
		gas	HC	68	20	+	+	+	+	+	+	+		-					**0**	+		+		+			
		gas	HC	104	40	**0**	+	+	**0**	+	+	+								**0**		+		+			
		gas	HC	140	60	**0**	+	**0**	+		+	+								-		+		+			
		gas	HC	176	80					+	+	+												+			
		gas	HC	212	100					+	+	+												+			
		gas	HC	248	120					+	+	+												+			

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1010	**waste gas with sulfur dioxide**	gas	LC	68	20	+		+	+	+	+	+		+		+		-	0	+	+	+	+				
	SO2	gas	LC	104	40	+		+	+	+	+	+		+		+			-	+	+	+	+				
	O2S	gas	LC	140	60	+		+	+	+	+	+		0		+				+	+	+	+				
		gas	LC	176	80				+	+	+	+				+				+		+	+				
		gas	LC	212	100					+	+	+				0						+					
		gas	LC	248	120						+	+				-											
1012	**waste gas with sulfur trioxide**	gas	LC	68	20	+		+	+	+	+	+						-	0	+	+	+	+				
	SO3	gas	LC	104	40	+		+	+	+	+	+							-	+	+	+	+				
	O3S	gas	LC	140	60	+		+	0	+	+	+								+	+	+	+				
		gas	LC	176	80				0	+	+	+								0		+					
		gas	LC	212	100					+	+	+															
		gas	LC	248	120						+	+															
1014	**Acetaldehyde**	aq	10%	68	20	+	-	+	+	+	+	+		0	+	+	0	-	-	+	+	+	+	+	+	+	+
	ethanal	aq	10%	104	40	0	-	+	+	+	+	+			+	+	-			+	+	+	+	+	+	+	+
		aq	10%	140	60		-		+	+	+	+			+	+				+	0	0	+	+	+		
	CH3CHO	aq	10%	176	80		-		+	+	+	+			+	+				+			+		+		
	C2H4O	aq	40%	68	20	0	-	+	+	+	+	+		0	+	+	0	-	-	+	+	+	+	+	+	+	+
		aq	40%	104	40	0	-	+	+	+	+	+			+	+	-			+	+	+	+	+	+	+	+
		aq	40%	140	60		-		+	+	+	+			+	+				+	0	0	+	-	+		
			TP	68	20	-	-	+	0	-	+	+		-	+	+	+	-	-	-	-	-	0	+	+	+	+
1015	**acetamide**		TP	68	20			+	+		+	+						-	0	-	-	+	-	+			
	acetic acid amide		TP	104	40			+	+		+	+							-			+		+			
			TP	140	60			+	+		+	+										+		+			
	CH3CONH2		TP	176	80						+	+												+			
	C2H5NO		TP	212	100						+	+												+			
1016	**acetic anhydride**		TP	68	20	-	-	+	+	-	+	+		-	0	+	+	0	-	+	+	-	+	+	+	+	+
	ethanoic anhydride		TP	104	40	-	-	0	0	-	+	+		-		+	+							+	+	+	+
			TP	140	60	-	-	-	-	-	+	+		-		+	+								+		+
	(CH3CO)2O		TP	176	80		-	-	-	-	+	+		-		+	+	-	-		0	-			+		+
	C4H6O3		TP	212	100			-	-	-	+	+															
			TP	248	120			-	-	-	+	+															
1017	**acetanilide**		TP	68	20	+					+	+						0	0	-	+	0	-				
	N-phenylacetamide		TP	104	40	+					+	+						0			+	0					
	acetic acid anilide		TP	140	60						+	+						0			+	0					
	CH3CONHC6H5		TP	176	80						+	+						-			+	0					
	C8H9NO		TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1018	**acetone**	aq	1%	68	20	-		+	+	+	+	+		+	+	+	+	-	-	+	-	-	**0**	+	+	+	+
	propane	aq	1%	104	40	-		+	+	+	+	+			+	+	+			+			**0**	+	+	+	+
	dimethyl ketone	aq	1%	140	60	-		+	+	+	+	+			+	+	+			+			**0**	+	+	+	
		aq	1%	176	80						+	+			+	+	+							+	+		
	CH3COCH3	aq	1%	212	100						+	+			+	+	+							+	+		
	C3H6O	aq	10%	68	20	-		+	+	+	+	+	-		+	+	+	-	-	+	-	-	**0**	+	+	+	+
		aq	10%	104	40			+	+	+	+	+	-		+	+	+	-	-	+			**0**	+	+	+	+
		aq	10%	140	60			+	+	**0**	+	+	-		+	+	+		-	+			**0**	+	+	+	
		aq	10%	176	80						+	+			+	+	+			+				+	+		
		aq	10%	212	100						+	+															
			TP	68	20	-	-	+	+	-	+	+	-	-	+	+	+	-	-	+	-	-	**0**	+	+	+	+
			TP	104	40	-	-	+	+	-	+	+	-	-	+	+	+	-	-	+			**0**	+	+	+	+
			TP	140	60	-	-	+	+	-	+	+	-	-	+	+	+		-				**0**	+	+		
1020	**acetonitrile**		TP	68	20	-	-	+	+	+	+	+		-	+	+	+	-	**0**	-	**0**	**0**	-	+	+	+	+
	ethanenitrile		TP	104	40	-	-	+	+	+	+	+		-	+	+	+		**0**		**0**	**0**		+	+		
	methyl cyanide		TP	140	60	-	-	+	+	**0**	+	+			+	+	+		**0**		**0**	**0**			+		
	CH3CN		TP	176	80		-				+	+			+	+	+								+		
	C2H3N																										
1021	**acetophenone**		TP	68	20	-	-	+	+	-	+	+	-		+	+	+							+	+		+
	acetylbenzene		TP	104	40	-			+	-	+	+			+	+	+							+	+		+
	methyl phenyl ketone		TP	140	60				**0**	-	+	+			+	+	+							+	+		+
	C6H5COCH3		TP	176	80				-		+	+			+	+	+								+		+
	C8H8O		TP	212	100						+	+			+	+	+								+		
1022	**acetylacetone**		TP	68	20	-				-	+	+	-														
	2,4-pentanedione		TP	104	40	-					+	+															
	CH3COCH2COCH3		TP	140	60	-					+	+															
	C5H8O2		TP	176	80						+	+															
			TP	212	100						+	+															
1023	**acetyl chloride**		TP	68	20					-	+	+						-	-	-	-	-	-		+		
	ethanoic chloride		TP	104	40					-	+	+													+		
	CH3COCl		TP	140	60						+	+															
	C2H3ClO																										
1024	**acetylene**	gas	HC	68	20	+		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+		
	ethyne	gas	HC	104	40						+	+			+	+	+	+	+	+	+	+	+	+	+		
	HCCH	gas	HC	140	60						+	+			+	+	+	+	+	+	+	+	+	+	+		
	C2H2	gas	HC	176	80						+	+															
		gas	HC	212	100						+	+															

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Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1025	**acetylsalicylic acid**	aq	DL	68	20	+		+	+	-	+	+					+					-	+	+	+	+	+
	O-acetylsalicylic acid	aq	DL	104	40			+	+		+	+					+							+	+	+	+
	2-acetyloxybenzoic acid	aq	DL	140	60			+	**0**		+	+					+							+	+	+	+
	2-(CH3CO2)C6H4CO2H	aq	DL	176	80						+	+					+							+	+		
	C9H8O4	aq	DL	212	100						+	+					+								+		
			TP	68	20	+		+	+		+	+					+			**0**		-	+	+	+	+	+
			TP	104	40			+	+		+	+					+							+	+	+	+
			TP	140	60			+	+		+	+					+							+	+	+	+
			TP	176	80						+	+					+							+	+		
1027	**acrylonitrile**		TP	68	20	-		+	+	**0**	+	+	**0**		+	+	+	-	-	+	+	**0**	**0**	+	+	+	+
	vinyl cyanide		TP	104	40	-		+	**0**	-	+	+	**0**		+	+	+	-	-	+	+	**0**	**0**	+	+		+
	CH2=CHCN		TP	140	60	-		+			+	+			+	+	+	-	-	**0**	+	-	-		+		+
	C3H3N		TP	176	80						+	+					+	-	-								
			TP	212	100						+	+						-	-								
1028	**acrylic acid butyl ester**		TP	68	20	-	-	+	+		+	+			+	+	+		-	**0**	**0**	-	+	+	+	+	+
	butyl acrylate		TP	104	40			**0**	**0**		+	+			+	+	+							+	+	+	+
			TP	140	60						+	+			+	+	+								+		+
	CH2=CHCO2(CH2)3CH3		TP	176	80						+	+			+	+	+								+		+
	C7H12O2		TP	212	100						+	+			+	+	+								+		+
1029	**adipic acid**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	butane-1,4-dicarboxylic acid	aq	CSC	104	40	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	hexanedioic acid	aq	CSC	140	60	**0**	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	HO2C(CH2)4CO2H	aq	CSC	176	80		+		+		+	+					+								+		
	C6H10O4	aq	CSC	212	100						+	+					+								+		
1030	**alum**	aq	10%	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
	potassium aluminum sulfate	aq	10%	104	40	+	+	+	+	+	+	+	+	+			+	+	**0**	+	+	+	+	+	+	+	+	+
	potassium alum	aq	10%	140	60	+	+	+	+	+	+	+					+		-	+	-	+	+	+	+	+	+	+
	KAl(SO4)2	aq	10%	176	80		+			+	+	+					+			+		+	+	+	+	+		
	AlKO8S2	aq	10%	212	100					+	+	+								+	+	+	+	+	+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	**0**	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	+	**0**	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+					+		-	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+			+	+	+	+	+	+	+		
		aq	G L	212	100					+	+	+								+		+	+	+	+	+		
1031	**alkanesulfonic acids (mixtures)**	aq	10%	68	20	+					+	+					+	-	+	+	+	+	+	+	+	+	+
		aq	10%	104	40	+					+	+					+							+	+	+	+
		aq	10%	140	60	+					+	+					+							+	+		+
		aq	10%	176	80						+	+					+							+	+		+
		aq	10%	212	100						+	+					+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1032	**allyl alcohol**		TP	68	20	**0**	**0**	+	+	+	+	+	-	**0**	+	+	+	+	+	**0**	**0**	**0**	+	+	+	+	+
	propenol		TP	104	40	-		+	+	+	+	+	-		+	+	+	+	+	**0**	-	-	+	+	+	+	+
	3-hydroxypropene		TP	140	60			+	+	+	+	+			+	+	+	-		**0**			+	+	+	+	+
	CH2=CHCH2OH		TP	176	80						+	+			+	+	+								+		
	C3H6O		TP	212	100						+	+			+	+	+								+		
1033	**allyl chloride**		TP	68	20	-	-	**0**		+	+	+			+	+	+								+	+	+
	3-chloropropene		TP	104	40	-	-	-		+	+	+			+	+	+								+	+	+
	CH2=CHCH2Cl																										
	C3H5Cl																										
1034	**aluminum acetate basic**	aq	CSC	68	20	+	+	+	+	+	+	+					+							+	+	+	+
	hydroxyaluminum diacetate	aq	CSC	104	40	+	+	+	+	+	+	+					+							+	+	+	+
		aq	CSC	140	60		+			+	+	+					+							+	+	+	+
	(CH3CO2)2AlOH	aq	CSC	176	80		+			+	+	+					+										
	C4H7AlO5	aq	CSC	212	100					+	+	+															
1035	**aluminum ammonium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+					+							+	+	+	+
	ammonium aluminum sulfate	aq	CSC	104	40	+	+	+	+	+	+	+					+							+	+	+	+
	ammonium alum	aq	CSC	140	60		+	+	+	+	+	+					+							+	+	+	+
	AlNH4(SO4)2	aq	CSC	176	80		+			+	+	+					+							+	+	+	
	H4AlNO8S2	aq	CSC	212	100						+	+												+	+	+	
1036	**aluminum chlorate**	aq	CSC	68	20	+				+	+	+					+							+	+	+	+
	Al(ClO3)3	aq	CSC	104	40					+	+	+					+							+	+	+	+
	AlCl3O9	aq	CSC	140	60					+	+	+												+	+		+
		aq	CSC	176	80					+	+	+												+	+		
		aq	CSC	212	100						+	+												+	+		
1037	**aluminum chloride**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	-	**0**	+	+	+	+	+	+	+	+	+	+	+	+
	AlCl3	aq	10%	104	40	+	+	+	+	+	+	+	+	+		-	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	140	60	+	+	+	+	+	+	+	**0**	**0**			+		**0**	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+					+			+		+	+	+	+		+
		aq	10%	212	100					+	+	+					+					+	+	+	+		+
		aq	CSC	68	20	+	+	+	+	+	+	+		+	-	-	+	-		+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+					+			+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+	+	+	+		+
		aq	CSC	212	100				**0**	+	+	+					+					+	+	+	+		+
1039	**aluminum iron(II) sulfate**	aq	CSC	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
	Al2Fe(SO4)4	aq	CSC	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
	Al2FeO16S4	aq	CSC	140	60			+	+	+	+	+					+							+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1040	**aluminum fluoride**	aq	CSC	68	20	+	+	+	+	+	+	+						+	+	+	**0**	+	+	+	+	+	
	aluminum trifluoride	aq	CSC	104	40	+	+	+	+	+	+	+							+	+	**0**	+	+	+	+	+	
	AlF3	aq	CSC	140	60		+	+	+	+	+	+							**0**	+	-	+	+	+	+	+	
		aq	CSC	176	80		+			+	+	+							-	+		+	+	+	+		
		aq	CSC	212	100					+	+	+								+		+		+	+		
1041	**aluminum fluorosilicate**		TP	68	20	+		+	+	+	+	+															
	Al2F2(SiO4)		TP	104	40						+	+															
	Al2F2O4Si		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1042	**aluminum hydroxide**		TP	68	20	+	+	+	+	+	+	+															
	Al(OH)3		TP	104	40		+	+	+	+	+	+															
	H3AlO3		TP	140	60		+	+	+	+	+	+															
			TP	176	80		+			+	+	+															
			TP	212	100					+	+	+															
1043	**aluminum nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+					+			+		+		+	+	+	+
	Al(NO3)3	aq	CSC	104	40	+	+	+	+	+	+	+					+			+		+		+	+	+	+
	AlN3O9	aq	CSC	140	60		+	+	+	+	+	+					+							+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1044	**aluminum oxide**		TP	68	20	+		+	+	+	+	+															
	alumina		TP	104	40					+	+	+															
	Al2O3		TP	140	60					+	+	+															
			TP	176	80					+	+	+															
			TP	212	100					+	+	+															
1045	**aluminum sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	140	60	**0**	+	+	+	+	+	+		+	**0**	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+			**0**	+	+	-				+	**0**	+	+	+	+	+
		aq	10%	212	100					+	+	+			**0**	+	+							+	+	+	+	+
		aq	CSC	68	20	+	+	+	+	+	+	+		+	**0**	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+	**0**	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	-	**0**	+	+	+	+	+	+	**0**	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+				**0**	+	-				+	**0**	+	+	+	+	+
		aq	CSC	212	100					+	+	+				**0**	+							+	+	+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1046	**ammonium iron(II) sulfate**	aq	10%	68	20	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
	(NH4)2Fe(SO4)2 H8FeN2O8S2	aq	10%	104	40	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	10%	140	60	**0**		+	+	+	+	+					+			+			+	+	+	+	+
		aq	10%	176	80				+	+	+	+					+			+				+	+		+
		aq	10%	212	100					+	+	+					+							+	+		+
		aq	CSC	68	20	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+					+			+			+	+	+	+	+
		aq	CSC	176	80				+	+	+	+					+			+				+	+		+
		aq	CSC	212	100					+	+	+					+							+	+		+
1047	**formic acid**	aq	10%	68	20	+	+	+	+	+	+	+	-	+	+	+	+	+	-	+			+		+	+	+
	methanoic acid	aq	10%	104	40	+	+	+	+	+	+	+			+	+	+	+				-	-		+	+	+
	HCO2H	aq	10%	140	60	**0**	+	+	+	+	+	+			**0**	+	+						-		+		+
	CH2O2	aq	10%	176	80		+		+	+	+	+			-	**0**	+								+		+
		aq	10%	212	100					+	+	+				**0**									+		
		aq	25%	68	20	+		+	+	+	+	+	-		+	+	+	+	-						+	+	+
		aq	25%	104	40	+		+	+	+	+	+			**0**	+	+	+		**0**		-			+	+	+
		aq	25%	140	60	**0**		+		+	+	+			-	**0**	+								+		+
		aq	25%	176	80					+	+	+				**0**	+								+		+
		aq	25%	212	100					+	+	+				**0**									+		
		aq	50%	68	20	+	**0**	+	+	+	+	+	-		+	+	+	+	-				+		+	+	+
		aq	50%	104	40	+		+	+	+	+	+	**0**	**0**	+		+	+				-	-		+	+	+
		aq	50%	1112	600			+	**0**	+	+	+		-	**0**	+							-		+		+
		aq	50%	176	80		-			+	+	+				**0**	+								+		+
		aq	50%	212	100					+	+	+				**0**									+		
		aq	85%	68	20	+	**0**	+	+	+	+	+	-		+	+	+	+	-				+		+	+	+
		aq	85%	752	400			+	**0**	+	+	+			**0**	+	+					-	+		+		+
		aq	85%	140	60	-		+	**0**	+	+	+			-	**0**	+						+		+		+
		aq	85%	176	80		-			+	+	+				**0**	+						**0**		+		+
		aq	85%	212	100					+	+	+				**0**							**0**		+		
			TP	68	20	+	**0**	+	-	+	+	+	-	**0**	+	+	+	+	-			-	+		+	+	+
			TP	104	40	**0**		+	-	+	+	+	**0**	**0**	+		+	-					+		+		+
			TP	140	60	-		+	-	**0**	+	+	**0**	-	**0**	+							+		+		+
			TP	176	80		-				+	+				**0**	+						**0**		+		+
			TP	212	100						+	+				**0**									+		
1048	**p-aminoazobenzene**		TP	68	20	+					+	+															
	4-phenylazoaniline		TP	104	40	**0**					+	+															
	C6H5N=NC6H4NH2		TP	140	60						+	+															
	C12H11N3		TP	176	80						+	+															
			TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1049	**4-aminobenzoic acid**	aq	CSC	68	20	+		+	+		+	+					+							+	+	+	+
	PABA	aq	CSC	104	40			+	+		+	+					+							+	+	+	+
		aq	CSC	140	60			+	+		+	+					+							+	+	+	+
	4-(NH2)C6H4CO2H	aq	CSC	176	80						+	+					+							+	+	+	+
	C7H7NO2	aq	CSC	212	100						+	+					+							+	+	+	
1050	**4-aminobenzenesulfonic acid**	aq	CSC	68	20	+		+	+		+	+					+							+	+	+	+
	sulfanilic acid	aq	CSC	104	40			+	+		+	+					+							+	+	+	+
	aniline-4-sulfonic acid	aq	CSC	140	60						+	+					+							+	+	+	+
	4-(NH2)C6H4SO3H	aq	CSC	176	80						+	+					+							+	+	+	+
	C6H7NO3S	aq	CSC	212	100						+	+					+							+	+	+	
1051	**aminoacetic acid**	aq	10%	68	20	+		+	+	+	+	+	-			+	+	-	+	+	+	+	+	+	+	+	+	+
	glycine	aq	10%	104	40	+		+	+	+	+	+	-				+		**0**	+	+	+	**0**	+	+	+	+
		aq	10%	140	60			+	+	+	+	+					+							+	+	+	+
	NH2CH2CO2H	aq	10%	176	80					+	+	+					+							+	+	+	+
	C2H5NO2	aq	10%	212	100						+	+					+							+	+	+	
1052	**amino acids**	aq	CSC	68	20	+		+	+	+	+	+					+							+	+	+	
	aminocarboxylic acids	aq	CSC	104	40			+	+	+	+	+					+							+	+	+	
		aq	CSC	140	60					+	+	+												+	+	+	
	NH2CH(R)CO2H	aq	CSC	176	80					+	+	+													+	+	
		aq	CSC	212	100						+	+													+	+	
1053	**ammonia, gaseous**	gas	HC	68	20	+	-	+	+	**0**	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	
	NH3	gas	HC	104	40	+	-	+	+	**0**	+	+			+	+	+	**0**	**0**	+	+	**0**		+	+	+	
	H3N	gas	HC	140	60	+	-	+	+	**0**	+	+			+	+	+	-	-	+	+	+		+	+	+	
		gas	HC	176	80		-				+	+					+								+	+	
		gas	HC	212	100						+	+					+								+	+	
		gas	HC	248	120						+	+															
1054	**ammonia, aqueous solution**	aq	10%	68	20	+	-	+	+	**0**	+	+		+	+	+	+	+	+	+	+	+	**0**	+	+	+	+
	NH3 • xH2O	aq	10%	104	40	+	-	+	+	**0**	+	+		+	+	+	+	**0**	**0**	+	+			+	+	+	**0**
	H3N	aq	25%	68	20	+	-	+	+	-	+	+		+	+	+	+	+	+	+	+	-	+	+	+	+	+
		aq	25%	104	40	+	-	+	+	-	+	+		+	+	+	+	**0**	**0**	+	+			+	+	+	**0**
				32																							
1055	**ammonium metatungstate**		TP	68	20	+		+	+	+	+	+															
	(NH4)6H2W12O40		TP	104	40						+	+															
	H26N6O40W12		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
			TP	248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1056	**ammonium acetate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+
	CH3CO2NH4	aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	+	**0**	+	+	+	+	+	+	+	+
	C2H7NO2	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+		+	**0**	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+		+			+			**0**				+	+	+	
		aq	CSC	212	100				+	+	+	+					+							+	+	+	
1057	**ammonium benzoate**	aq	CSC	68	20		+	+	+								+							+	+	+	+
	benzoic acid ammonium salt	aq	CSC	104	40		+	+	+								+							+	+	+	+
	C6H5CO2NH4	aq	CSC	140	60		+										+							+	+	+	+
	C7H9NO2	aq	CSC	176	80		+										+							+	+	+	
		aq	CSC	212	100												+							+	+	+	
1058	**ammonium bromide**	aq	CSC	68	20	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	NH4Br	aq	CSC	104	40	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	H4BrN	aq	CSC	140	60			+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80					+	+	+					+	+	+	+	+	+	+	+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1059	**ammonium carbonate**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+		+
	(NH4)2CO3	aq	CSC	104	40	+	+	+	+					+			+		+	+	+	+	+	+	+		+
	CH8N2O3	aq	CSC	1112	600									+			+			+	+	**0**	+	+	+		+
		aq	CSC	176	80												+							+	+		
		aq	CSC	212	100												+							+	+		
1060	**ammonium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+			**0**	+	+	+	+	+	+	+	+	+	+	+	+
	NH4Cl	aq	CSC	104	40	+	+	+	+	+	+	+		+	**0**	+	+	-	+	+	+	+	+	+	+	+	+
	H4ClN	aq	CSC	140	60	**0**	+	+	+	+	+	+		+	**0**	+	+	-	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+		+	-	+	+	-	+	+	+	+	+	+	+	+	
		aq	CSC	212	100				+	+	+	+		+		**0**	**0**	-	+	+		+	+	+	+	+	
1061	**ammonium citrate**		TP	68	20	+	+			+	+	+															
	triammonium citrate		TP	104	40	+	+			+	+	+															
	citric acid triammonium salt		TP	140	60	**0**	+			+	+	+															
	H4NO2CCH2C(OH)(CO2NH4)CH2CO2NH4		TP	176	80		+			+	+	+															
	C6H17N3O7		TP	212	100						+	+															
1062	**ammonium dichromate**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+			+		+		+	+		+
	(NH4)2Cr2O7	aq	CSC	104	40		+			+	+	+			+	+	+					+		+	+		+
	H8Cr2N2O7	aq	CSC	140	60		+			+	+	+			+	+	+							+	+		+
		aq	CSC	176	80		+				+	+					+							+	+		
		aq	CSC	212	100																			+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1063	**ammonium fluoride**	aq	DL	68	20	+	+	+	+	+	+	+					+	+	+	+	**0**	+	+	+	+	+	
	NH4F	aq	DL	104	40	+	+	+	+	+	+	+					+	+	+	+	**0**	+	+	+	+	+	
	H4FN	aq	DL	140	60		+	+	+	+	+	+					+			+			+	+	+	+	
		aq	DL	176	80		+			+	+	+					+			+			+	+	+		
		aq	DL	212	100					+	+	+						-	+	+	**0**	-	+	+	+		
		aq	CSC	68	20		+		+	+	+	+					+	+	+	+	**0**	+	+	+	+	+	
		aq	CSC	104	40		+		+	+	+	+					+	+	+	+		+	+	+	+	+	
		aq	CSC	140	60		+		+	+	+	+					+	-	**0**	+		+	+	+	+	+	
		aq	CSC	176	80		+			+	+	+					+			+		+	+	+	+		
		aq	CSC	212	100					+	+	+								+		+		+	+		
1064	**ammonium hexafluorosilicate**	aq	CSC	68	20	+		+	+	+	+	+					+					+		+	+	+	+
	(NH4)2SiF6	aq	CSC	104	40			+	+	+	+	+					+					+		+	+	+	+
	H8F6N2Si	aq	CSC	140	60					+	+	+					+							+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1065	**ammonium formate**	aq	CSC	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
	formic acid ammonium salt	aq	CSC	104	40			+	+	+	+	+					+							+	+	+	+
		aq	CSC	140	60					+	+	+					+							+	+	+	+
	HCO2NH4	aq	CSC	176	80					+	+	+					+							+	+	+	
	CH5NO2	aq	CSC	212	100					+	+	+					+							+	+	+	
1066	**ammonium hydrogencarbonate**	aq	CSC	68	20	+		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	ammonium bicarbonate	aq	CSC	104	40	+		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	NH4HCO3	aq	CSC	140	60			+	+		+	+			+	+	+			+	+	+	+	+		+	+
	CH5NO3	aq	CSC	176	80						+	+			+	+	+						+	+	+	+	
		aq	CSC	212	100						+	+												+	+	+	
1067	**ammonium hydrogensulfate**	aq	CSC	68	20	+		+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+
	ammonium bisulfate	aq	CSC	104	40	+		+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60				+	+	+	+				+	+	+	**0**	+	+	+	**0**	+	+	+	+
	(NH4)HSO4	aq	CSC	176	80					+	+	+					+					+		+	+	+	+
	H5NO4S	aq	CSC	212	100						+	+					+							+	+	+	
1068	**ammonium hydrogensulfide**	aq	DL	68	20	+	+	+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+
	ammonium bisulfide	aq	DL	104	40	+	+			+	+	+				+	+	+	+	+	+	**0**	+	+	+	+	+
		aq	DL	140	60	+	+			+	+	+				+	+	+	+	+		**0**	+	+	+	+	+
	(NH4)HS	aq	DL	176	80		+			+	+	+										-	+	+	+	+	
	H5NS	aq	DL	212	100					+	+	+												+	+	+	
1069	**ammonium molybdate**	aq	CSC	68	20	+		+	+		+	+								+		+		+	+	+	+
	ammonium heptamolybdate	aq	CSC	104	40			+	+		+	+								+		+		+	+	+	+
		aq	CSC	140	60						+	+												+	+	+	+
	(NH4)6Mo7O24	aq	CSC	176	80						+	+												+	+	+	
	H24Mo7N6O24	aq	CSC	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1070	**ammonium nitrate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	140	60	**0**	+	**0**	+	+	+	+		+	+	+	+	+	**0**	+		+	**0**	+	+	+	+
		aq	10%	176	80		+		**0**	+	+	+			+	+	+	**0**		+		+		+	+	+	
		aq	10%	212	100					+	+	+					+							+	+	+	
		aq	50%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	50%	104	40	+	+	+	+	+	+	+			+	+	+	+	**0**	+	+	+	+	+	+	+	+
		aq	50%	140	60	**0**	+	**0**	+	+	+	+			+	+	+	+	**0**			+		+	+	+	+
		aq	50%	176	80		+			+	+	+			+	+	+		**0**			+		+	+	+	
		aq	50%	212	100						+	+			+	+	+		-					+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	**0**	+	+	+	+		+	+	+	+	+	**0**	+		+	**0**	+	+	+	+
		aq	CSC	176	80		+		**0**	+	+	+		+	+	+	+	**0**				+		+	+	+	
		aq	CSC	212	100					+	+	+			+	+	+							+	+	+	
1071	**ammonium oxalate**	aq	CSC	68	20	+		+	+	+	+	+					+					+		+	+	+	+
	oxalic acid diammonium salt	aq	CSC	104	40			+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	140	60					+	+	+					+							+	+	+	+
	(NH4)2C2O4	aq	CSC	176	80					+	+	+					+							+	+	+	
	C2H8N2O4	aq	CSC	212	100					+	+	+					+							+	+	+	
1072	**ammonium peroxodisulfate**	aq	DL	68	20	+		+	+	+	+	+										+		+	+	+	+
	ammonium persulfate	aq	DL	104	40	+		+	+	+	+	+										+		+	+	+	+
	(NH4)2S2O8	aq	DL	140	60	+				+	+	+												+	+	+	+
	H8N2O8S2	aq	DL	176	80					+	+	+												+	+	+	
		aq	DL	212	100					+	+	+												+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+										+		+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+										+		+	+	+	+
		aq	CSC	140	60					+	+	+												+	+	+	+
		aq	CSC	176	80					+	+	+												+	+	+	
		aq	CSC	212	100					+	+	+												+	+	+	
1073	**ammonium hydrogenphosphate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	(NH4)2HPO4	aq	CSC	104	40	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	H9N2O4P	aq	CSC	140	60	+		+	+	+	+	+		+	+	+	+	+	**0**	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		**0**		+	+	+	+					+			+		+		+	+	+	
		aq	CSC	212	100				+	+	+	+					+					+		+	+	+	
1074	**ammonium thiocyanate**	aq	CSC	68	20	+	+	+	+	+	+	+					+					+		+	+	+	+
	ammonium rhodanide	aq	CSC	104	40		+	+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+					+							+	+	+	+
	NH4SCN	aq	CSC	176	80		+			+	+	+												+	+	+	
	CH4N2S	aq	CSC	212	100					+	+	+												+	+	+	

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1075	**ammonium sulfamate**	aq	CSC	68	20		+	+	+		+	+								+				+	+	+	+
	sulfamic acid ammonium salt	aq	CSC	104	40		+	+	+		+	+								+				+	+	+	+
		aq	CSC	140	60		+				+	+												+	+	+	+
	NH2SO3NH4	aq	CSC	176	80		+				+	+												+	+	+	
	H6N2O3S	aq	CSC	212	100						+	+															
1076	**ammonium sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	(NH4)2SO4	aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	H8N2O4S	aq	10%	140	60	**0**	+	+	+	+	+	+		+	**0**	+	+	+	**0**	+	+	+		+	+	+	+
		aq	10%	176	80		+		+	+	+	+		+	**0**	+	+			+		+		+	+	+	+
		aq	10%	212	100					+	+	+			**0**	+	+					+		+	+	+	+
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	**0**	+	+	+	**0**	+	+	+		+	+	+	+
		aq	CSC	176	80		+		+	+	+	+		+	**0**	+	+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+			**0**	+	+					+		+	+	+	+
1077	**ammonium sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+	+
	(NH4)2S	aq	10%	104	40	+	+	+	+	+	+	+	+			+		+	+	+	+	**0**	+	+	+	+	+
	H8N2S	aq	10%	140	60	**0**	+	+	+	+	+	+				+		+	+	+	+	-	+	+	+	+	+
		aq	10%	176	80		+		+		+	+												+	+		
		aq	10%	212	100						+	+												+	+		
		aq	20%	68	20	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+	+
		aq	20%	104	40	+	+	+	+	+	+	+	+			+		+	+	+	+	**0**	+	+	+	+	+
		aq	20%	140	60	**0**	+	+	+	+	+	+				+		+	+	+	+	-	+	+	+	+	+
		aq	20%	176	80		+		+		+	+												+	+		
		aq	20%	212	100						+	+												+	+		
		aq	40%	68	20	+	+	+	+	+	+	+	-			+		+	+	+	+	+	+	+	+	+	+
		aq	40%	104	40	+	+	+	+	+	+	+	-			+		+	+	+	+	**0**	+	+	+	+	+
		aq	40%	140	60	**0**	+	+	+	+	+	+				+		+	+	+	+	-	+	+	+	+	+
		aq	40%	176	80		+				+	+												+	+		
		aq	40%	212	100						+	+												+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+	-			+		+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	-			+		+	+	+	+	**0**	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+				+		+	+	+	+	-	+	+	+	+	+
		aq	CSC	176	80		+				+	+												+	+		
		aq	CSC	212	100						+	+												+	+		
1078	**amyl acetate**		TP	68	20	-	-	+	**0**		+	+			+	+	+	**0**	-	**0**	-	**0**	**0**	+	+		+
	1 -pentyl acetate		TP	104	40	-	-	+	-		+	+			+	+	+	-		-		-	-	+	+		+
	acetic acid amyl ester		TP	140	60	-	-	+	-		+	+			+	+	+					-	-	+	+		+
	CH3CO2C5H11		TP	176	80		-				+	+			+	+	+								+		+
	C7H14O2		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+

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Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1079	**amyl alcohol**		TP	68	20	+	**0**	+	+	+	+	+	-	+			+	**0**			+	+	**0**	+	+	+	+
	1-pentanol		TP	104	40	+	**0**	+	+	+	+	+		**0**			+	**0**			+			+	+	+	+
	CH3(CH2)4OH		TP	140	60	**0**				+	+	+		**0**			+	**0**			+			+	+	+	+
	C5H12O		TP	176	80		**0**			+	+	+					+	-						+	+	+	+
			TP	212	100					+	+	+					+	-						+	+		+
			TP	248	120					**0**	+	+					+								+		+
1080	**amyl chloride**		TP	68	20	-	-	**0**		+	+	+			+	+	+			-	-			+	+	+	+
	1-chloropentane		TP	104	40	-	-	-		+	+	+			+	+	+							+	+	+	+
	1-pentyl chloride		TP	140	60	-	-			+	+	+			+	+	+							+	+	+	+
	CH3(CH2)4Cl		TP	176	80		-			+	+	+			+	+	+								+	+	+
	C5H11Cl		TP	212	100					+	+	+			+	+	+								+	+	+
1081	**amyl laurate**		TP	68	20	-	-				+	+			+	+	+							+	+	+	+
	dodecanoic acid pentyl ester		TP	104	40						+	+			+	+	+							+	+	+	+
	lauric acid amyl ester		TP	140	60						+	+			+	+	+							+	+	+	+
	CH3(CH2)10CO2C5H11		TP	176	80						+	+			+	+	+								+	+	+
	C17H34O2		TP	212	100						+	+			+	+	+								+	+	+
			TP	248	120						+	+			+	+	+								+		+
1082	**p-tert-amyl phenol**		TP	68	20	-				-	+	+															
	4-(2-methyl-2-butyl)phenol		TP	104	40	-					+	+															
			TP	140	60	-					+	+															
	CH3CH2C(CH3)2C6H4OH		TP	176	80						+	+															
	C11H16O		TP	212	100						+	+															
			TP	248	120						+	+															
1083	**aniline**	aq	CSC	68	20	-	-	**0**	**0**	+	+	+	-	-	+	+	+	-	**0**	+	-	+	-	+	+	+	+
	aminobenzene	aq	CSC	104	40	-	-	**0**	**0**	+	+	+			+	+	+		-	+	-	**0**	-	+	+	+	+
	phenylamine	aq	CSC	140	60	-	-				+	+			+	+	+	-	-		-	-	-	+	+	+	+
	C6H5NH2	aq	CSC	176	80		-				+	+			+	+	+							+	+	+	+
	C6H7N	aq	CSC	212	100						+	+			+	+	+								+	+	
			TP	68	20	-	-	**0**	**0**	+	+	+		-	+	+	+	-	-	-	-	+	-	+	+	+	+
			TP	104	40	-	-	**0**	**0**	+	+	+			+	+	+					**0**	-	+	+	+	+
			TP	140	60		-				+	+			+	+	+	-	-		-	-	-	+	+	+	+
			TP	176	80		-				+	+			+	+	+							+	+	+	+
			TP	212	100						+	+			+	+	+								+	+	+
			TP	248	120						+	+			+	+	+								+	+	+
1084	**aniline sulfate**		TP	68	20	-					+	+															
	anilinium sulfate		TP	104	40						+	+															
	(C6H5NH3)2SO4		TP	140	60						+	+															
	C12H16N2O4S		TP	176	80						+	+															
			TP	212	100						+	+															

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1085	**aniline sulfite**		TP	68	20	+					+	+															
	anilinium sulfite		TP	104	40						+	+															
	(C6H5NH3)2SO3		TP	140	60						+	+															
	C12H16N2O3S		TP	176	80						+	+															
			TP	212	100						+	+															
1086	**aniline**		TP	68	20	-					+	+		-	+	+	+							+	+	+	+
	4-methoxybenzaldehyde		TP	104	40	-					+	+			+	+	+							+	+	+	+
	CH3OC6H4CHO		TP	140	60	-					+	+			+	+	+							+	+		+
	C8H8O2		TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1087	**anisole**		TP	68	20	-			**0**		+	+		-	+	+	+	-	-	-	-	-	**0**	+	+	+	+
	methoxybenzene		TP	104	40	-		-	-		+	+			+	+	+							+	+	+	+
	methyl phenyl ether		TP	140	60	-		-	-		+	+			+	+	+							+	+		+
	C6H5OCH3		TP	176	80						+	+			+	+	+								+		+
	C7H8O		TP	212	100						+	+			+	+	+								+		+
			TP	248	120										+	+	+								+		+
1088	**anise oil**			68	20			**0**			+	+															
				104	40			**0**			+	+															
				140	60			-			+	+															
				176	80						+	+															
				212	100						+	+															
1089	**sodium thiosulfate**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Na2S2O3	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	**0**	+	+	+	+	+	+	+	+	+
	Na2O3S2	aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+	+	-	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1090	**benzaldehyde oxime**	aq	2%	68	20	+		+	+		+	+			+	+	+	+	**0**	+	-	+		+	+	+	+
	C6H5CH=NOH	aq	2%	104	40				+		+	+			+	+	+							+	+	+	+
	C7H7NO	aq	2%	140	60				+		+	+			+	+	+							+	+	+	+
		aq	2%	176	80						+	+			+	+	+							+	+	+	+
		aq	2%	212	100						+	+			+	+	+							+	+	+	
1091	**antimony pentachloride**		TP	68	20	+		+		+	+	+	-	-	-	-	+	+						+	+		
	antimony(V) chloride		TP	104	40					+	+	+						+						+	+		
			TP	140	60					+	+	+						+							+		
	SbCl5		TP	176	80					+	+	+															
	Cl5Sb		TP	212	100					+	+	+															
			TP	248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1092	**antimony trichloride**	aq	90%	68	20	+	+	+	+	+	+	+	-	+	-	-		+	+	+	+	+	+				
	antimony(III) chloride	aq	90%	104	40	+	+	+	+	+	+	+		+				+	+	+	+	+	+				
		aq	90%	140	60	+	+	+	+	+	+	+		+				+	+	+	+	+	+				
	SbCl3	aq	90%	176	80		+				+	+															
	Cl3Sb	aq	90%	212	100						+	+															
		aq	90%	248	120						+	+															
1093	**malic acid**	aq	CSC	68	20	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	hydroxysuccinic acid	aq	CSC	104	40			+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
	hydroxybutanedioic acid	aq	CSC	140	60			+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	HO2CCH2CH(OH)CO2H	aq	CSC	176	80					+	+	+			+	+	+							+	+	+	
	C4H6O5	aq	CSC	212	100					+	+	+			+	+	+							+	+	+	
1094	**arsenious acid**	aq	DL	68	20	+				+	+	+					+							+	+	+	+
	H3AsO3	aq	DL	104	40						+	+					+							+	+	+	+
	H3AsO3	aq	DL	140	60						+	+					+							+	+	+	+
		aq	DL	176	80						+	+												+	+	+	
		aq	DL	212	100						+	+												+	+	+	
1095	**arsenic acid**	aq	80%	68	20	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+
	H3AsO4	aq	80%	104	40	+	+	+	+	+	+	+	+			+	+		+	+	+	+	+	+	+	+	+
	H3AsO4	aq	80%	140	60	**0**	+	+	+	+	+	+				+	+		+	+	+	+	+	+	+	+	+
	H3AsO4	aq	80%	176	80	-	+		+	+	+	+				+	+		**0**	+	+	+	+	+	+	+	
		aq	80%	212	100				**0**	+	+	+				+	+					+	+	+	+	+	
		aq	80%	248	120						+	+															
1096	**arsenic sulfides**		TP	68	20	+				+	+	+															
	As4Sx (x = 3,4,5,6,10)		TP	104	40					+	+	+															
	As4Sx		TP	140	60					+	+	+															
			TP	176	80					+	+	+															
			TP	212	100					+	+	+															
			TP	248	120						+	+															
1097	**arsenic trioxide**		TP	68	20	+				+	+	+															
	arsenic(III) oxide		TP	104	40					+	+	+															
	arsenious acid anhydride		TP	140	60					+	+	+															
			TP	176	80					+	+	+															
	As2O3		TP	212	100					+	+	+															
			TP	248	120						+	+															
1098	**L(+)-ascorbic acid**	aq	CSC	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
	vitamin C	aq	CSC	104	40	+		+	+	+	+	+					+							+	+	+	+
	C6H8O6	aq	CSC	140	60	**0**			+		+	+					+							+	+	+	+
		aq	CSC	176	80												+							+	+	+	
		aq	CSC	212	100												+							+	+	+	

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1099	**ammonium dihydrogen phosphate**	aq	CSC	68	20	+		+	+	+	+	+		+					+	+		+		+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+		+					**0**	+		+		+	+	+	+
		aq	CSC	140	60			+	+	+	+	+		+					-	+		+		+	+	+	+
		aq	CSC	176	80				+	+	+	+								+		+		+	+		+
		aq	CSC	212	100					+	+	+										+		+	+		
1100	**barium carbonate**	aq	CSC	68	20	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	BaCO3	aq	CSC	104	40	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	CBaO3	aq	CSC	140	60		+	+	+	+	+	+				+	+	-	+	+	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+					+		-	+	**0**	+	-	+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1101	**barium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
	BaCl2	aq	CSC	104	40	+		+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+		+			+	**0**	**0**	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		**0**			+	+	+					+	-	-	+	**0**	+	-	+	+	+		
		aq	CSC	212	100					+	+	+					+							+	+	+		
1102	**barium cyanide**	aq	CSC	68	20	+		+	+		+	+	+	+		+	+	+	+	+	**0**	+	+	+	+	+	+
	Ba(CN)2	aq	CSC	104	40	+		+	+		+	+		+		+	+	+	**0**	+	**0**	**0**	+	+	+	+	+
	C2BaN2	aq	CSC	140	60			+	+		+	+				+	+	**0**	-	+		-	+	+	+	+	+
		aq	CSC	176	80						+	+					+							+	+	+		
		aq	CSC	212	100						+	+					+								+	+		
1103	**barium hydroxide**	aq	CSC	68	20	+	+	+	+	**0**	+	+		+			+	+	+	+	+	+	+	+	+	+	+	+
	Ba(OH)2	aq	CSC	104	40	+	+	+	+	-	+	+		+			+	+		+	+	**0**	**0**	+	+	+	+
	H2BaO2	aq	CSC	140	60	**0**	+	+	+	-	+	+					+			+	+	**0**	-	+	+	+	**0**
		aq	CSC	176	80		+			-	+	+					+			+		-		+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1104	**barium nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+
	Ba(NO3)2	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+
	BaN2O6	aq	CSC	140	60		+	+	+	+	+	+		+	+	+	+	+	+			+	**0**	+	+	+	+	+
		aq	CSC	176	80		+				+	+					+	**0**	**0**	+		+		+	+	+		
		aq	CSC	212	100						+	+					+							+	+	+		
1105	**barium peroxide**	aq	CSC	68	20	+		+	+		+	+	+			+	+	+	+	+		+	+	+	+			+
	BaO2	aq	CSC	104	40			+	+		+	+	+			+	+	+		+		+	+	+	+			+
		aq	CSC	140	60			+	+		+	+				+	+			+		+	**0**	+	+			
		aq	CSC	176	80						+	+								+		+		+	+			
		aq	CSC	212	100						+	+													+			
1106	**barium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
	baryta white	aq	CSC	104	40	+	+	+	+	+	+	+	+	+		+	+	+	+	+	**0**	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+
	BaSO4	aq	CSC	176	80		+		+	+	+	+		+			+	**0**	**0**	+		+	**0**	+	+	+		
	BaO4S	aq	CSC	212	100					+	+	+					+							+	+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1107	**barium sulfide**	aq	CSC	68	20	+	+	+	+		+	+	+			+	+	+	+	+		+	+	+	+	+	+
	BaS	aq	CSC	104	40	+	+	+	+		+	+	+			+	+			+		+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+		+	+				+	+			+		**0**	+	+	+		+
		aq	CSC	176	80		+				+	+								+				**0+**	+		
		aq	CSC	212	100						+	+												+	+		
1110	**benzal chloride**		TP	68	20	-	-				+	+	-	-	+	+	+							+	+		+
	benzylidene chloride		TP	104	40	-	-				+	+			+	+	+							+	+		+
	a,a-dichlorotoluene		TP	140	60	-	-				+	+			+	+	+							+	+		+
	C6H5CHCl2		TP	176	80		-				+	+			+	+	+								+		+
	C7H6Cl2		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1111	**benzaldehyde**	aq	CSC	68	20	-	-	+	+	+	+	+		-	+	+	+	**0**	**0**		-	+	-	+	+	+	+
	C6H5CHO	aq	CSC	104	40	-	-	+	+	+	+	+			+	+	+		**0**			+		+	+	+	+
	C7H6O	aq	CSC	140	60	-	-	+	**0**		+	+			+	+	+		**0**			+		+	+	+	+
		aq	CSC	176	80		-				+	+			+	+	+							+	+	+	+
		aq	CSC	212	100						+	+			+	+	+							+	+	+	
1112	**benzamide**	aq	CSC	68	20	+		+	+		+	+			+	+	+							+	+	+	+
	benzoic acid amide	aq	CSC	104	40	+		+	+		+	+			+	+	+							+	+	+	+
		aq	CSC	140	60	**0**		+	+		+	+			+	+	+							+	+	+	+
	C6H5CONH2	aq	CSC	176	80						+	+			+	+	+							+	+	+	+
	C7H7NO	aq	CSC	212	100						+	+			+	+	+							+	+	+	
1113	**gasoline, free of lead and aromatics**			68	20	+	-	+	**0**	+	+	+	+		+	+	+	-	+	-	-	+	**0**	+	+	+	+
	C5H12 bis C12H26			104	40	+	-	+	**0**	+	+	+	+		+	+	+		+			+	-	+	+	+	+
				140	60	+	-	**0**	-	+	+	+			+	+	+					+		+	+	+	+
				176	80		-		-	+	+	+			+	+	+							+	+	+	+
				212	100					+	+	+			+	+	+							+	+	+	+
1114	**gasoline, free of lead and aromatics**			68	20	+	-	+	**0**	+	+	+	+	**0**	+	+	+		+	-	-	+	**0**	+	+	+	+
				104	40	+	-	+	**0**	+	+	+			+	+	+					+	-	+	+	+	+
				140	60		-	**0**	-	+	+	+			+	+	+					+		+	+	+	+
				176	80		-			+	+	+			+	+	+							+	+	+	+
				212	100					+	+	+			+	+	+							+	+	+	+
1115	**petrol-benzene mixture**			68	20	-	-	**0**	**0**		+	+		-	+	+	+	-	+	-	-	+	**0**	+	+	+	+
				104	40	-	-	-	-		+	+			+	+	+					+	-	+	+	+	+
				140	60	-	-	-	-		+	+			+	+	+					+		+	+	+	+
				176	80		-				+	+			+	+	+							+	+	+	+
				212	100						+	+			+	+	+							+	+	+	+
				248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1116	**benzoic acid**	aq	CSC	68	20	+	+	+	+		+	+	-	-	+	+	+	0	-	-	-	+	-	+	+	+	+
	benzenecarboxylic acid	aq	CSC	104	40	+		+	+		+	+	-		+	+	+	0				+		+	+	+	+
	phenylformic acid	aq	CSC	140	60	0		+	+		+	+			+	+	+	0				+		+	+	+	+
	C6H5CO2H	aq	CSC	176	80		-		+		+	+			+	+	+	-				+		+	+	+	+
	C7H6O2	aq	CSC	212	100						+	+			+	+	+					0		+	+	+	
1117	**benzene**		TP	68	20	-	-	0	0	+	+	+		-	+	+	+	-	0	-	-	+	-	+	+		+
	C6H6		TP	104	40	-	-	-	-	+	+	+			+	+	+			-	-		-	+	+		+
			TP	140	60	-	-	-	-	0	+	+			+	+	+			-	-		-	+	+		+
			TP	176	80					-	+	+			+	+	+			-	-		-	+	+		+
1118	**benzoic anhydride**		TP	68	20	+		+	+		+	+															
	benzoic acid anhydride		TP	104	40				+		+	+															
	(C6H5CO)2O		TP	140	60				+		+	+															
	C14H10O3		TP	176	80						+	+															
			TP	212	100						+	+															
1119	**sodium benzoate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	benzoic acid sodium salt	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+	+	+	+	+
		aq	CSC	140	60	0	+	+	+	+	+	+	+	+	+	+	+	+	0	+		+	0	+	+	+	+
	C6H5CO2Na	aq	CSC	176	80		+			+	+	+					+			0		0		+	+	+	
	C7H5NaO2	aq	CSC	212	100					0	+	+					+							+	+	+	
1120	**benzenesulfonic acid**	aq	10%	68	20	+		+	+	+	+	+					+	-	0		0		0	+	+	+	+
	phenylsulfonic acid	aq	10%	104	40	+		+	+	+	+	+					+		-		-			+	+	+	+
		aq	10%	140	60	+		+	+		+	+												+	+	+	+
	C6H5SO3H	aq	10%	176	80						+	+												+	+	+	
	C6H6O3S	aq	10%	212	100						+	+													+		
		aq	40%	68	20	+		+	+	+	+	+					+		0		0		0	+	+	+	+
		aq	40%	104	40	+		+	+	+	+	+					+		-		-			+	+	+	+
		aq	40%	140	60	+		+	+		+	+												+	+	+	+
		aq	40%	176	80						+	+												+	+	+	
		aq	40%	212	100						+	+													+		
		aq	CSC	68	20			+	+	+	+	+					+		0		0		0	+	+	+	+
		aq	CSC	104	40			+	+	+	+	+					+		-		-			+	+	+	+
		aq	CSC	140	60			+	+		+	+												+	+	+	+
		aq	CSC	176	80						+	+												+	+	+	
		aq	CSC	212	100						+	+													+		
1121	**benzoyl chloride**		TP	68	20	-	-	0	0	+	+	+	-	-			+								+	+	+
	benzoic acid chloride		TP	104	40	-		0			+	+					+								+	+	+
	C6H5COCl		TP	140	60	-		0			+	+					+								+	+	+
	C7H5ClO		TP	176	80						+	+					+								+	+	
			TP	212	100						+	+					+								+	+	
			TP	248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1122	**benzyl alcohol**		TP	68	20	**0**		+	+	+	+	+		-	+	+	+		-	**0**		+	**0**	+	+	+	+
	C6H5CH2OH		TP	104	40	-		+	+	+	+	+			+	+	+						**0**	+	+	+	+
	C7H8O		TP	140	60			+	**0**	+	+	+			+	+	+						**0**	+	+	+	+
			TP	176	80					+	+	+			+	+	+						-	+	+	+	+
			TP	212	100					**0**	+	+			+	+	+								+	+	+
			TP	248	120						+	+			+	+	+								+	+	+
1124	**N-benzyl-N-ethylaniline**		TP	68	20	-		-	-		+	+															
	N-ethyl-N-phenylbenzylamine		TP	104	40						+	+															
	N-benzyl-N-ethylphenylamine		TP	140	60						+	+															
	C6H5CH2N(C6H5)C2H5		TP	176	80						+	+															
	C15H17N		TP	212	100						+	+															
			TP	248	120						+	+															
1125	**succinic acid**	aq	CSC	68	20	+		+	+	+	+	+	-		+	+	+	+	-	+	+	+	+	+	+	+	+
	butanedioic acid	aq	CSC	104	40	+		+	+	+	+	+	-		+	+	+	+	-	+	+	+	+	+	+	+	+
	ethane-1,2-dicarboxylic acid	aq	CSC	140	60	+		+	+	+	+	+			+	+	+			+	+	+	+	+	+	+	+
	HO2CCH2CH2CO2H	aq	CSC	176	80						+	+			+	+	+							+	+	+	
	C4H6O4	aq	CSC	212	100						+	+			+	+	+								+	+	
1126	**beryllium chloride**	aq	CSC	68	20	+		+	+		+	+					+			+		+		+	+	+	+
	BeCl2	aq	CSC	104	40	+		+	+		+	+					+			+		+		+	+	+	+
		aq	CSC	140	60			+	+		+	+					+							+	+	+	+
		aq	CSC	176	80						+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1127	**beryllium fluoride**	aq	CSC	68	20	+		+	+		+	+					+			+		+		+	+	+	+
	BeF2	aq	CSC	104	40						+	+					+			+		+		+	+	+	+
		aq	CSC	140	60						+	+					+							+	+	+	+
		aq	CSC	176	80						+	+					+							+	+		
		aq	CSC	212	100						+	+					+							+	+		
1128	**beryllium sulfate**	aq	CSC	68	20	+		+			+	+															
	BeSO4	aq	CSC	104	40	+		+			+	+															
	BeO4S	aq	CSC	140	60	+		+			+	+															
		aq	CSC	176	80						+	+															
		aq	CSC	212	100						+	+															
1129	**beer**			68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				104	40	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+
				140	60	+	+	+	+	+	+	+		+	+	+	+			+		+		+	+	+	+
				176	80		+		+	+	+	+		+	+	+	+					+		+	+	+	+
				212	100						+	+			+	+	+							+	+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1130	**beer color**			68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+		+	+	+
				104	40	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+		+	+	+
				140	60	+		+	+	+	+	+			+	+	+	-	+	+	+	+	+		+	+	+
				176	80						+	+			+	+	+								+	+	+
				212	100						+	+			+	+	+								+	+	+
				248	120						+	+			+	+	+								+		
1131	**bisulfite lye**	aq	CSC	68	20	+		+	+	+	+	+		+		+	+	+	0	+	+	0	0	+	+	+	+
		aq	CSC	104	40	+		+	+		+	+				+	+	+	-	+	+	0	0	+	+	+	+
		aq	CSC	140	60	+		+	+		+	+					+							+	+	+	+
		aq	CSC	176	80						+	+					+							+	+		
		aq	CSC	212	100						+	+					+								+		
1132	**hydrogen cyanide**	gas	TP	68	20	+		+	+	+	+	+			+	+	+	0	0	0	0	+	+	+	+	+	+
	hydrocyanic acid	gas	TP	104	40	+		+	+	+	+	+						-	-	-	-	0	0	+	+	+	+
		gas	TP	1112	600			+	+	+	+	+												+	+	+	+
	HCN	gas	TP	176	80					+	+	+													+	+	+
	CHN	gas	TP	212	100					+	+	+													+	+	+
		gas	TP	248	120						+	+													+	+	+
1133	**lead(II) acetate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	CH3COO)2Pb	aq	10%	140	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	C4H6O4Pb	aq	10%	176	80		+			+	+	+			+	+	+	0							+	+	+	
		aq	10%	212	100					+	+	+			+	+	+								+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+			+	+	+								+	+	+	
		aq	CSC	212	100					+	+	+													+	+	+	
			TP	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+			
			TP	104	40	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+			
			TP	140	60	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+			
			TP	176	80		+			+	+	+			+	+	+								+			
			TP	212	100					+	+	+													+			
1134	**lead(II) hydrogenarsenate**	aq	CSC	68	20	+		+	+		+	+																+
	lead arsenate	aq	CSC	104	40						+	+																+
		aq	CSC	140	60						+	+																+
	PbHAsO4	aq	CSC	176	80						+	+																
	HAsPbO4	aq	CSC	212	100						+	+																

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1135	**lead(II) carbonate**	aq	CSC	68	20	+		+	+		+	+					+	+	+	+	+	+	+	+	+	+	+
	PbCO3	aq	CSC	104	40	+		+	+		+	+					+	**0**	+	+	+	+	+	+	+	+	+
	CO3Pb	aq	CSC	140	60			+	+		+	+					+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80						+	+					+		+	+	+	+	-	+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1137	**lead(II) chloride**	aq	CSC	68	20	+	+	+	+		+	+		+			+					+		+	+	+	+
	PbCl2	aq	CSC	104	40	+	+	+	+		+	+		+			+					+		+	+	+	+
	Cl2Pb	aq	CSC	140	60		+	+	+		+	+		+			+					+		+	+	+	+
		aq	CSC	176	80		+				+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1138	**lead(II) nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+					+		+	+	+	+
	Pb(NO3)2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+					+		+	+	+	+
	N2O6Pb	aq	CSC	140	60	+	+	+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1139	**lead(II) sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	PbSO4	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	**0**	+	+	+	+	+	+	+	+	+
	O4PbS	aq	CSC	140	60	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+		+	+	+	+	**0**	+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1142	**boric acid**	aq	DL	68	20	+		+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	H3BO3	aq	DL	104	40	+		+	+	+	+	+	-	+	+	+	+	**0**	+	+	+	+	+	+	+	+	+
		aq	DL	140	60	**0**		+	+	+	+	+		+	+	+	+	**0**	+	+	+	+	+	+	+	+	+
		aq	DL	176	80				+	+	+	+		+	+	+	+	-		+		+		+	+	+	
		aq	DL	212	100					+	+	+					+					+		+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+		+	+		+	+	+	+			+		+		+	+	+	
		aq	CSC	212	100						+	+		+	+	+	+					+		+	+	+	
			TP	68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			
			TP	104	40	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			
			TP	140	60	**0**		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			
			TP	176	80				+		+	+			+	+	+			+		+		+			
			TP	212	100						+	+												+			
1144	**boron trichloride**	gas	TP	68	20	+					+	+												+			
	trichloroborane	gas	TP	104	40						+	+												+			
	BCl3	gas	TP	140	60						+	+												+			
		gas	TP	176	80						+	+															
		gas	TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1144	**boron trifluoride**	gas	TP	68	20	+		+		+	+	+												+			
	trifluoroborane	gas	TP	104	40	+		+		+	+	+												+			
		gas	TP	140	60			-		+	+	+												+			
		gas	TP	176	80					+	+	+															
	BF3	gas	TP	212	100					+	+	+															
1145	**1-bromo-2-chloroethane**		TP	68	20	-	-	-	-	+	+	+			+	+	+							+	+		+
			TP	104	40						+	+			+	+	+							+	+		+
	ClCH2CH2Br		TP	140	60						+	+			+	+	+							+	+		+
	C2H4BrCl		TP	176	80						+	+			+	+	+								+		
			TP	212	100						+	+			+	+	+								+		
1146	**bromine vapors**		HC	68	20	-	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-	-	+	-	+	+	-	+
	Br2		HC	104	40					+	+	+													+	+		+
			HC	140	60					+	+	+														+		+
			HC	176	80					+	+	+																
			HC	212	100					**0**	+	+																
1147	**bromoethane**		TP	68	20	-	-	**0**	-	+	+	+		-	+	+	+	-	-	-	-	**0**	**0**	+	+	+	+
	ethyl bromide		TP	104	40			**0**		+	+	+					+							+	+	+	+
	CH3CH2Br																										
	C2H5Br																										
1148	**bromine**	liq	TP	68	20	-	-	-	-	+	+	+	-	-	-	-	-	-	-	-	-	-	+	-	+	+	-	+
	Br2	liq	TP	104	40		-			+	+	+													+			+
1149	**bromoform**		TP	68	20	-		-	-	-	+	+															
	tribromomethane		TP	104	40	-		-			+	+															
			TP	140	60	-		-	-		+	+															
			TP	176	80						+	+															
	CHBr3		TP	212	100				-		+	+															
			TP	248	120						+	+															
1150	**bromine, aqueous solution**	aq	DL	68	20	+		**0**	**0**	+	+	+						-	-	-	-	+	-	+	+		+
	Br2	aq	DL	752	400		-	-	+		+	+										+		+			
		aq	DL	140	60	-	-	-	+		+	+										+		+			
		aq	DL	176	80					+	+	+															
		aq	DL	212	100						+	+															
		aq	CSC	68	20	+		-	-	+	+	+	-	-				-	-	-	-	+	-	+	+		+
		aq	CSC	104	40	**0**		-	-	+	+	+										+		+	+		+
		aq	CSC	140	60	-	-	-	+		+	+										+		+			
		aq	CSC	176	80					+	+	+															
		aq	CSC	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1151	**hydrobromic acid**	aq	10%	68	20	+		+	+	+	+	+		+	-	-	-	-		+	+	+	+	+	+	+	+
	HBr	aq	10%	104	40	+		+	+	+	+	+		+				-	-	+	+	+	+	+	+	+	+
		aq	10%	140	60	+		+	+	+	+	+							**0**	**0**	+		+	+	+	+	
		aq	10%	176	80					+	+	+												+	+	+	
		aq	10%	212	100					+	+	+															
		aq	48%	68	20	+		+	+	+	+	+		-	-	-	-	-	-	+	+	+	+	+	+	+	+
		aq	48%	104	40	+		+	+	+	+	+							-	+	+	+	+	+	+	+	+
		aq	48%	140	60	+		+	**0**	+	+	+							**0**	**0**	+		+	+	+	+	
		aq	48%	176	80					+	+	+								-	-	**0**	**0**	+	+	+	
		aq	48%	212	100					+	+	+										-	-				
1152	**1,3-butadiene**	gas	HC	68	20	+		**0**	**0**	+	+	+			+	+	-	-	-	**0**				+			
		gas	HC	104	40	+	-	-	+		+	+			+	+								+			
	CH2=CHCH=CH2	gas	HC	1112	600					+	+	+			+	+								+			
	C4H6	gas	HC	176	80					+	+	+															
		gas	HC	212	100					+	+	+															
1153	**1,4-butanediol**	aq	10%	68	20	+		+	+		+	+	-		+	+	+	+		+	+	+	+	+	+	+	+
	tetramethylene glycol	aq	10%	104	40	**0**		+	+		+	+			+	+	+			+		+	+	+	+	+	+
		aq	10%	140	60	-		+	+		+	+			+	+	+			+			+	+	+	+	+
	HO(CH2)4OH	aq	10%	176	80						+	+			+	+	+							+	+	+	+
	C4H10O2	aq	10%	212	100						+	+			+	+	+								+	+	
		TP		68	20	**0**		+	+		+	+	-		+	+	+	+		+	+	+	**0**	+	+	+	+
		TP		104	40	-		+	+		+	+			+	+	+			+		+	-	+	+	+	+
		TP		140	60			+	+		+	+			+	+	+			+				+	+	+	+
		TP		176	80						+	+			+	+	+							+	+	+	+
		TP		212	100						+	+			+	+	+								+	+	+
1154	**butane**	gas	HC	68	20	+		+	+	+	+	+			+	+	+	-	+	-	-	+	**0**	+			
	C4H10	gas	HC	104	40				+	+	+	+			+	+	+							+			
		gas	HC	140	60				+	+	+	+			+	+	+							+			
		gas	HC	176	80						+	+			+	+	+							+			
		gas	HC	212	100						+	+			+	+	+							+			
1155	**1-butanol**		TP	68	20	+	**0**	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	butyl alcohol		TP	104	40	+		+	+	+	+	+			+	+	+	+	+	+	+		+	+	+	+	+
	CH3(CH2)3OH		TP	140	60	**0**		+	**0**	+	+	+			+	+	+	+	-	+	**0**		+	+	+	+	+
	C4H10O		TP	176	80				**0**	+	+	+			+	+	+			**0**			+	+	+	+	+
			TP	212	100					**0**	+	+			+	+	+							+	+	+	+
			TP	248	120						+	+			+	+	+										
1156	**1-butanethiol**		TP	68	20	+		**0**	+	+	+	+			+	+	+	+	+	+	+	+	+		+	+	+
	1-butyl mercaptan		TP	104	40	+		**0**	**0**	+	+	+			+	+	+	+	+	+	+	+	+		+	+	+
			TP	140	60	+		-		+	+	+			+	+		**0**	+	**0**	**0**	**0**	+		+	+	+
	CH3(CH2)3SH		TP	176	80					+	+	+			+	+									+	+	+
	C4H10S		TP	212	100						+	+			+	+									+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1157	**1-butene**	gas	HC	68	20	+		-	-	+	+	+			+	+	+	-	+	0	+	+	0				
	butylene	gas	HC	104	40			-	-	+	+	+			+	+	+										
		gas	HC	140	60				-	+	+	+			+	+	+										
	CH3CH2CH=CH2	gas	HC	176	80				-	+	+	+			+	+	+										
	C4H8	gas	HC	212	100				-	+	+	+			+	+	+										
1158	**1-butyne**	gas	HC	68	20			+			+	+															
	CH3CH2CCH	gas	HC	104	40			+			+	+															
	C4H6	gas	HC	140	60						+	+															
		gas	HC	176	80						+	+															
		gas	HC	212	100						+	+															
		aq	20%	68	20	+	-	+	+	+	+	+			+	+	+	-	-	+	+	0	0	+	+	+	+
		aq	20%	104	40	0	-	+		+	+	+			+	+	+							+	+	+	+
		aq	20%	140	60	-	-	0		+	+	+			+	+	+							+	+	+	+
		aq	20%	176	80		-			+	+	+			+	+	+								+	+	
		aq	20%	212	100					+	+	+			+	+	+								+		
1159	**butyric acid**		TP	68	20	+	-	+	+	+	+	+			+	+	+	-	-	0	0	0	0	+	+	+	+
			TP	104	40	0	-	+		+	+	+			+	+	+							+	+	+	+
	butanoic acid		TP	140	60	-	-	0		+	+	+			+	+	+							+	+	+	+
	CH3CH2CH2CO2H		TP	176	80		-			+	+	+			+	+	+								+	+	
	C4H8O2		TP	212	100					0	+	+			+	+	+								+		
1160	**butyl acetate**		TP	68	20	-	-	0	-		+	+	-	-	+	+	+	-	-	-	-	-	0	+	+		+
	acetic acid butyl ester		TP	104	40			0	-		+	+		-	+	+	+	-	-	-	-	-		+	+		+
			TP	140	60			-	-		+	+		-	+	+	+							+	+		+
	CH3CO2(CH2)3CH3		TP	176	80						+	+		-	+	+	+								+		+
	C6H12O2		TP	212	100						+	+		-	+	+	+								+		+
1161	**butylamine**		TP	68	20		-			+	+	+	-		+	+	+		-			-		+	+	+	+
	1-aminobutane		TP	104	40		-			0	+	+			+	+	+							+	+	+	+
	CH3(CH2)3NH2		TP	140	60		-			-	+	+			+	+	+							+	+	+	+
	C4H11N		TP	176	80		-				+	+			+	+	+								+	+	+
1162	**butyl bromide**		TP	68	20	-	-	-	-	+	+	+	-	-	+	+	+							+	+	+	+
	1 -bromobutane		TP	104	40					+	+	+			+	+	+							+	+	+	+
			TP	140	60					+	+	+			+	+	+							+	+	+	+
	CH3(CH2)3Br		TP	176	80					+	+	+			+	+	+							+	+	+	+
	C4H9Br		TP	212	100					+	+	+			+	+	+								+		+
1163	**butyl chloride**		TP	68	20	-				+	+	+															
	1-chlorobutane		TP	104	40					+	+	+															
			TP	140	60					+	+	+															
	CH3(CH2)3Cl		TP	176	80					+	+	+															
	C4H9Cl		TP	212	100					+	+	+															
			TP	248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1164	**4-tert-butylphenol**		TP	68	20	**0**		**0**	+	+	+	+					+		-	-	-	**0**	-				
	(CH3)3CC6H4OH		TP	104	40	-				+	+	+															
	C10H14O		TP	140	60					+	+	+															
			TP	176	80					+	+	+															
			TP	212	100						+	+															
			TP	248	120						+	+															
1165	**butyl phosphate**		TP	68	20	-	-			-	+	+													+		+
	phosphoric acid butyl ester		TP	104	40						+	+													+		+
			TP	140	60						+	+													+		+
	C4H9OPO(OH)2		TP	176	80						+	+													+		+
	C4H11O4P		TP	212	100						+	+													+		+
			TP	248	120						+	+													+		+
1166	**cadmium acetate**	aq	CSC	68	20	+	+	+	+		+	+					+							+	+	+	+
	(CH3CO2)2Cd	aq	CSC	104	40	+	+	+	+		+	+					+							+	+	+	+
	C4H6CdO4	aq	CSC	140	60		+	+	+		+	+					+							+	+	+	+
		aq	CSC	176	80		+				+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+								+	+	
1167	**cadmium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
	CdCl2	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+			+	+	+	-	**0**	+	**0**	+	+	+	+	+		
		aq	CSC	212	100					+	+	+			+	+	+			**0**		+	+	+	+	+		
1168	**cadmium cyanide**	aq	CSC	68	20	+		+	+	-	+	+								+				+	+	+	+
	Cd(CN)2	aq	CSC	104	40	+		+	+	-	+	+												+	+	+	+
	C2CdN2	aq	CSC	140	60			+	+		+	+												+	+	+	+
		aq	CSC	176	80						+	+												+	+	+	
		aq	CSC	212	100						+	+													+		
1169	**cadmium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	CdSO4	aq	CSC	104	40	+	+	+	+	+	+	+		+			+					+		+	+	+	+
	CdO4S	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+							+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1170	**calcium acetate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	(CH3CO2)2Ca	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+				+	+	+	+
	C4H6CaO4	aq	CSC	140	60		+	+	+	+	+	+					+			+				+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	

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1171	**calcium arsenate**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+				+	+	+	+
	calcium othoarsenate	aq	CSC	104	40	+		+	+	+	+	+		+			+			+				+	+	+	+
		aq	CSC	140	60			+	+	+	+	+					+			+				+	+	+	+
	Ca3(AsO4)2	aq	CSC	176	80					+	+	+					+							+	+	+	
	As2Ca3O8	aq	CSC	212	100						+	+					+							+	+	+	
1172	**calcium benzoate**	aq	CSC	68	20	+		+	+	+	+	+					+							+	+	+	+
	benzoic acid calcium salt	aq	CSC	104	40			+	+	+	+	+					+							+	+	+	+
	(C6H5CO2)2Ca	aq	CSC	140	60			+	+	+	+	+					+							+	+	+	+
	C14H10CaO4	aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1173	**calcium bromide**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	CaBr2	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	Br2Ca	aq	CSC	140	60	**0**		+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1174	**calcium carbide**		TP	68	20			+	+		+	+															
	calcium acetylide		TP	104	40			+	+		+	+															
	carbide		TP	140	60			+	+		+	+															
	CaC2		TP	176	80						+	+															
	C2Ca		TP	212	100						+	+															
			TP	248	120						+	+															
1175	**calcium carbonate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+				+	+	+	+
	lime	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+				+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+			+			+				+	+	+	+
	CaCO3	aq	CSC	176	80		+		+	+	+	+					+			+				+	+	+	
	CCaO3	aq	CSC	212	100					+	+	+					+							+	+	+	
1176	**calcium chlorate**	aq	CSC	68	20	+	+	+	+	+	+	+												+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+												+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+												+	+	+	+
		aq	CSC	176	80		+			+	+	+												+	+	+	
		aq	CSC	212	100					+	+	+															
1177	**calcium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
	CaCl2	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	-	-	+	-	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+		+			+		**0**	+	**0**	+		+	+	+	+
		aq	CSC	212	100					+	+	+		+			+			**0**		+		+	+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1178	**calcium chromate**	aq	CSC	68	20	+					+	+												+	+	+	+
	chromatite	aq	CSC	104	40						+	+												+	+	+	+
	CaCrO4	aq	CSC	140	60						+	+												+	+	+	+
		aq	CSC	176	80						+	+												+	+	+	
		aq	CSC	212	100						+	+												+	+	+	
1179	**calcium fluoride**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	fluorspar	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	CaF2	aq	CSC	140	60			+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	176	80					+	+	+												+	+	+	
		aq	CSC	212	100						+	+												+	+	+	
1180	**calcium hydrogencarbonate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	calcium bicarbonate	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+	**0**	**0**	**0**	**0**	+	+	+	+	+	+
	Ca(HCO3)2	aq	CSC	176	80		+			+	+	+					+							+	+	+	
	C2H2CaO6	aq	CSC	212	100						+	+					+							+	+	+	
1181	**calcium hydrogensulfide**	aq	CSC	68	20	+		+	+	+	+	+					+							+	+	+	+
		aq	CSC	104	40			+	+	+	+	+					+							+	+	+	+
	Ca(SH)2	aq	CSC	140	60			+	+	+	+	+					+							+	+	+	+
	H2CaS2	aq	CSC	176	80					+	+	+												+	+	+	
		aq	CSC	212	100					+	+	+												+	+	+	
1182	**calcium hydroxide**	aq	CSC	68	20	+	+	+	+	**0**	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	lime milk	aq	CSC	104	40	+	+	+	+	**0**	+	+		+	+	+	+	+	+	+	+	**0**	+	+	+	+	+
	slaked lime	aq	CSC	140	60	+	+	+	+	**0**	+	+		+	+	+	+	+	**0**	+	+	**0**	+	+	+	+	+
	Ca(OH)2	aq	CSC	176	80		+		+	-	+	+			+	+	+	**0**		+		**0**	+	+	+	+	
	H2CaO2	aq	CSC	212	100					-	+	+					+					**0**	+	+	+	+	
1183	**calcium hypochlorite**	aq	CSC	68	20	+		+	+	+	+	+	**0**		+	+	+	-	+	+	-	+	+	+	+	+	+
	Ca(OCl)2	aq	CSC	104	40	+		+	+	+	+	+	**0**		+	+	+			+		+	+	+	+	+	+
	CaCl2O2	aq	CSC	140	60			+	+	**0**	+	+			**0**	**0**	+			+		+	**0**	+	+	+	+
		aq	CSC	176	80					**0**	+	+					+					+		+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1184	**calcium nitrate**	aq	50%	68	20	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
	Ca(NO3)2	aq	50%	104	40	+	+	+	+	+	+	+	+	+		**0**	+	+	+	+	+	+	+	+	+	+	+
	CaN2O6	aq	50%	140	60		+	+	+	+	+	+		+			+			+		+	+	+	+	+	+
		aq	50%	176	80		+			+	+	+		+			+					+		+	+	+	
		aq	50%	212	100					+	+	+					+							+	+	+	

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1185	**calcium oxalate**		TP	68	20	+					+	+															
	oxalic acid calcium salt		TP	104	40						+	+															
			TP	140	60						+	+															
	CaC2O4		TP	176	80						+	+															
	C2CaO4		TP	212	100						+	+															
1186	**calcium permanganate**	aq	DL	68	20	+					+	+															
	Ca(MnO4)2	aq	DL	104	40						+	+															
	CaMn2O8	aq	DL	140	60						+	+															
		aq	DL	176	80						+	+															
		aq	DL	212	100						+	+															
1187	**calcium peroxide**	aq	CSC	68	20	+					+	+															
	CaO2	aq	CSC	104	40	+					+	+															
		aq	CSC	140	60	+					+	+															
		aq	CSC	176	80						+	+															
		aq	CSC	212	100						+	+															
1188	**calcium dihydrogenphosphate**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	Ca(H2PO4)2	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	H4CaO8P2	aq	CSC	140	60			+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1189	**calcium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	gypsum	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+			+		+		+	+	+	+
	CaSO4	aq	CSC	176	80		+			+	+	+					+					+		+	+	+	+
	CaO4S	aq	CSC	212	100					+	+	+					+							+	+	+	
1190	**calcium sulfide**	aq	CSC	68	20	+		+	+	**0**	+	+					+							+	+	+	+
	CaS	aq	CSC	104	40	+		+	+	**0**	+	+					+							+	+	+	+
		aq	CSC	140	60			+	+		+	+					+							+	+		+
		aq	CSC	176	80						+	+												+	+		
		aq	CSC	212	100						+	+												+	+		
1191	**calcium sulfite**	aq	CSC	68	20	+		+	+	+	+	+					+					+		+	+	+	+
	CaSO3	aq	CSC	104	40	+		+	+	+	+	+					+					+		+	+	+	+
	CaO3S	aq	CSC	140	60			+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1192	**calcium hydrogensulfite**	aq	CSC	68	20	+	+	+	+		+	+					+					+		+	+	+	+
	calcium bisulfite	aq	CSC	104	40	+		+	+		+	+					+					+		+	+	+	+
		aq	CSC	140	60			+	+		+	+					+							+	+	+	+
	Ca(HSO3)2	aq	CSC	176	80						+	+					+							+	+	+	
	H2CaO6S2	aq	CSC	212	100						+	+					+							+	+	+	

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1193	**(+/-)-camphor**		TP	68	20	-	-	-	**0**	+	+	+			+	+	+	-		-	**0**	+	-	+			
	C10H16O		TP	104	40					+	+	+			+	+	+							+			
			TP	140	60					+	+	+			+	+	+							+			
			TP	176	80						+	+			+	+	+							+			
			TP	212	100						+	+			+	+	+							+			
1194	**camphor oil**			68	20	-	-	-	+		+	+			+	+	+	-	-	-	**0**	+	**0**	+	+	+	+
				104	40					+	+	+			+	+	+							+	+	+	+
				140	60						+	+			+	+	+							+	+	+	+
				176	80						+	+			+	+	+							+	+	+	+
				212	100						+	+			+	+	+							+	+	+	+
1195	**e-caprolactam**		TP	68	20	-																					
	hexahydro-2H-azepin-2-one		TP	104	40	-																					
	C6H11NO		TP	140	60	-																					
			TP	176	80	-																					
			TP																								
1196	**e-caprolactone**		TP	68	20	-	-				+	+			+	+	+								+		+
	6-hydroxyhexanoic acid lactone		TP	104	40						+	+			+	+	+								+		+
	6-hexanolide		TP	140	60						+	+			+	+	+								+		+
	C6H10O2		TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1197	**carbazole**		TP	68	20			+	+		+	+															
	dibenzo[b,d]pyrrole		TP	104	40			+	+		+	+															
	9-azafluorene		TP	140	60			+	+		+	+															
			TP	176	80						+	+															
	C12H9N		TP	212	100						+	+															
1198	**carbolineum**			68	20	+		+	+	+	+	+				+		-	+	+	+	+	+				
				104	40						+	+															
				140	60						+	+															
				176	80						+	+															
				212	100						+	+															
1199	**carbon disulfide**		TP	68	20	**0**	-	**0**	-	+	+	+	+	-	+	+	+	-	-	-	-	+	-	+	+	+	+
	CS2		TP	104	40	-	-	-	-	+	+	+	**0**		+	+	+							+	+	+	+
				32																							
1200	**Caro's acid**	aq	DL	68	20	+		-	-	+	+	+												+	+		+
	peroxosulfuric acid	aq	DL	104	40						+	+												+	+		+
	peroxomonosulfuric acid	aq	DL	140	60						+	+												+	+		+
	H2SO5	aq	DL	176	80						+	+													+		
	H2O5S	aq	DL	212	100						+	+													+		

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1201	**quinine**		TP	68	20	+		+	+		+	+															
	C20H24N2O2		TP	104	40			+	+		+	+															
			TP	140	60			+	+		+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1202	**quinoline**		TP	68	20	-		-	-	-	+	+															
	1 -azanaphthalene		TP	104	40						+	+															
			TP	140	60						+	+															
			TP	176	80						+	+															
	C9H7N		TP	212	100						+	+															
1204	**chloroacetaldehyde**		TP	68	20	-					+	+												+			
	chloroethanal		TP	104	40						+	+												+			
	ClCH2CHO		TP	140	60						+	+												+			
	C2H3ClO		TP	176	80						+	+															
			TP	212	100						+	+															
1205	**chloroacetone**		TP	68	20	-					+	+	-		+	+	+	-	-			0	-	+	+	+	+
	1-chloro-2-propanone		TP	104	40						+	+			+	+	+					0		+	+	+	+
	monochloroacetone		TP	140	60						+	+			+	+	+					0			+	+	+
	ClCH2COCH3		TP	176	80						+	+			+	+	+								+	+	
	C3H5ClO		TP	212	100						+	+			+	+	+								+	+	
1206	**chloral hydrate**		TP	68	20	-		+	0	-	+	+						-	-	0	0	0	+				
	trichloroacetaldehyde hydrate		TP	104	40			+	0		+	+							-	0	0	0	+				
			TP	140	60			+	-		+	+								0	-	0	+				
	CCl3CH(OH)2		TP	176	80						+	+															
	C2H3Cl3O2		TP	212	100				-		+	+															
1207	**chloramine B**	aq	DL	68	20	+		+	+		+	+			+	+	+	+	+	+	+	-	+	+	+	+	+
	N-chlorobenzenesulfonic acid amide sodium s	aq	DL	104	40						+	+			+	+	+							+	+	+	+
	C6H5SO2N(Cl)Na	aq	DL	140	60						+	+			+	+	+							+	+	+	+
	C6H5ClNNaO2S	aq	DL	176	80						+	+					+								+	+	+
		aq	DL	212	100						+	+					+								+	+	
1208	**chlorobenzene**		TP	68	20	-	-	0	0	+	+	+	-	-	+	+	+	-	-	-	-	-	-	+	+	+	+
	monochlorobenzene		TP	104	40	-	-	-	-	+	+	+		-	+	+	+								+	+	+
			TP	140	60	-	-	-	-	+	+	+		-	+	+	+								+	+	+
	C6H5Cl		TP	176	80		-			0	+	+		-	+	+	+								+	+	+
	C6H5Cl		TP	212	100				-	0	+	+		-	+	+	+								+	+	+

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1209	**sodium hypochlorite**	aq	5%	68	20	+	+	+	+	+	+	+			-	-	+		-	+	-	+	+	+	+	-	+
	NaOCl	aq	5%	104	40	+	+	0	0	0	+	+					+			0		+		+	+		+
	ClNaO	aq	5%	140	60	0	+	-	-	0	+	+												+	+		
		aq	5%	176	80		+			-	+	+												+			
		aq	5%	212	100						+	+															
		aq	12.5	68	20	+	+	0	0	+	+	+	-		-	-	+		-	+	-	+	+	+	+	-	+
		aq	12.5	104	40	+	+	0	-	+	0	+					+			-		+		+	+		+
		aq	12.5	140	60	0	+			-	+	+												+	+		
		aq	12.5	176	80		+				+	+												+			
		aq	12.5	212	100						+	+															
		aq	15%	68	20	+	+	-	-	+	+	+	-		-	-	+		-	0	-	+	+	+	+	-	+
		aq	15%	104	40	+	+			0	+	+					+			-		+		+	+		+
		aq	15%	140	60		+			-	+	+												+	+		
		aq	15%	176	80		+				+	+												+			
		aq	15%	212	100						+	+															
1210	**bromochloromethane**		TP	68	20	-	-	-	-		+	+		-	+	+	+								+	+	+
			TP	104	40						+	+			+	+	+								+	+	+
	CH2BrCl		TP	140	60						+	+			+	+	+								+	+	+
				32																							
				32																							
				32																							
1211	**chloroacetic acid**	aq	33%	68	20	+		+	+	+	+	+			-	-	+	-	-	0	-	-	0	+	+	+	+
	monochloroacetic acid	aq	33%	104	40	+		+	+	+	+	+					+							+	+	+	+
		aq	33%	140	60	0		+	+	+	+	+					+								+	+	+
	ClCH2CO2H	aq	33%	176	80					+	+	+															
	C2H3ClO2	aq	33%	212	100						+	+															
		aq	50%	68	20	+		+	+	+	+	+			-	-	+	-	-	0	-	-	0	+	+	+	+
		aq	50%	104	40	+		+	+	0	+	+					+							+	+	+	+
		aq	50%	140	60	0		+	+	-	+	+					+								+	+	+
		aq	50%	176	80						+	+															
		aq	50%	212	100						+	+															
		aq	85%	68	20	+		+	+	+	+	+			-	-	+	-	-	0	-	-	0	+	+	+	+
		aq	85%	104	40	+		+	+	0	+	+					+								+	+	+
		aq	85%	140	60	0		+	+	-	+	+					+								+	+	+
		aq	85%	176	80						+	+															
		aq	85%	212	100						+	+															
			TP	68	20	+		+	+	-	+	+			-	-	-		-	0	-	-	0	+			
			TP	104	40	+		+	+		+	+															
			TP	140	60	-		+	+		+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															

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1212	**chloroethanol**		TP	68	20	-		+	0	+	+	+	-		+	+	+	0		0	-	-	0		+		+
	ethylene chlorohydrin		TP	104	40	-		+		0	+	+													+		+
	ClCH2CH2OH		TP	140	60	-		+	0	0	+	+													+		+
	C2H5ClO		TP	176	80					-	+	+													+		
			TP	212	100						+	+													+		
1213	**chlorine**	gas,dry	LC	68	20	0	-	-	-	+	+	+					+	-	-	-	-	+	0	+			
	Cl2	gas,hd	LC	68	20	0	-	-	-	0	+	+			-	-	+	-	-	-	-		0	+			
		gas,dry	LC	104	40	0				+	+	+					+							+			
		gas,hd	LC	104	40					0	+	+					+							+			
		gas,dry	LC	140	60	-				+	+	+					+							+			
		gas,hd	LC	140	60					-	+	+					+							+			
		gas,dry	LC	176	80						+	+					+							+			
		gas,hd	LC	176	80						+	+					+										
		gas,dry	LC	212	100						+	+															
		gas,hd	LC	212	100						+	+					+										
1215	**chloride of lime**	aq	CSC	68	20	+		+	+	+	+	+	0	+	+	+	+	-	+	+	-	+	+	+	+	+	+
	calcium chloride hypochlorite	aq	CSC	104	40	+		+	+	+	+	+	0	+	+	+	+			+		+	+	+	+	+	+
		aq	CSC	140	60			+	+	0	+	+				0				+		+	0	+	+	+	+
	CaCl(OCl) + Ca(OH)2	aq	CSC	176	80					0	+	+										+		+	+	+	
	CaCl2O	aq	CSC	212	100						+	+												+	+	+	
1216	**4-chloro-m-cresol**		TP	68	20																						
	4-chloro-3-methylphenol		TP	104	40																						
	1 -chloro-4-hydroxy-2-methylbenzene		TP	140	60																						
	ClC6H3(CH3)OH		TP	176	80																						
	C7H7ClO		TP	212	100																						
1217	**chloroform**		TP	68	20	-	-	-	-	+	+	+	-	-	+	+	+	-	-	-	-	0	-	+	+	+	+
	trichloromethane		TP	104	40	-	-	-	-	+	+	+		-	+	+	+							+	+	+	+
	CHCl3		TP	140	60	-	-	-	-	+	+	+		-	+	+	+							+	+	+	+
1218	**chlorophenol**		TP	68	20	+					+	+															
	ClC6H4OH		TP	104	40						+	+															
	C6H5ClO		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1219	**chloric acid**	aq	10%	68	20	+	+	+	+	+	+	+	-	-	**0**	**0**		-	-		-	-	+	+			
	HClO3	aq	10%	104	40	+	+	+	**0**	+	+	+											+	+			
		aq	10%	140	60	**0**	+		-		+	+															
		aq	10%	176	80		+				+	+															
		aq	10%	212	100				-		+	+															
		aq	20%	68	20	+	+	**0**	**0**	+	+	+			-	-			-	-	-	-	+	+			
		aq	20%	104	40	+	+		-	+	+	+											+	+			
		aq	20%	140	60	-	+		-		+	+															
		aq	20%	176	80		+				+	+															
		aq	20%	212	100						+	+															
1220	**chlorosulfonic acid**		TP	68	20	-		-	-	**0**	+	+	-	-				-	-	-	-	-	-	+	+	-	+
	chlorosulfuric acid		TP	104	40	-		-		-	+	+	-											+	+	-	+
			TP	140	60	-		-	-		+	+													+		
	ClSO3H		TP	176	80						+	+													+		
	HClSO3		TP	212	100				-		+	+													+		
1221	**chlorotoluene (2-, 3- a. 4-)**		TP	68	20	-	-	-	-		+	+	-	-	+	+	+	-	-	-	-	-	-	+	+	+	+
	CH3C6H4Cl		TP	104	40						+	+			+	+	+							+	+		+
	C7H7Cl		TP	140	60						+	+			+	+	+							+	+		+
			TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1222	**chlorotrifluoroethylene**	gas	TP	68	20	+		-	-		+	+															
	trifluorovinyl chloride	gas	TP	104	40	+		-			+	+															
		gas	TP	140	60	+		-	-		+	+															
	ClCF=CF2	gas	TP	176	80						+	+															
	C2ClF3	gas	TP	212	100				-		+	+															
1224	**chlorine, aqueous solution**	aq	CSC	68	20	**0**	+	**0**	**0**	+	+	+	-		+	+	+		-	**0**	**0**	+	-	+	+		+
	Cl2	aq	CSC	104	40	**0**	+	**0**		+	+	+												+	+		+
		aq	CSC	140	60		+			+	+	+												+	+		+
		aq	CSC	176	80		+			+	+	+													+		
		aq	CSC	212	100					+	+	+													+		
1225	**hydrogen chloride**	gas	HC	68	20	+		+	+	+	+	+							**0**	+	**0**	+	**0**	+			
	HCl	gas	HC	104	40	+		+	+	+	+	+							-	+	-	+	**0**	+			
		gas	HC	140	60	**0**		+	+	+	+	+								+		+	-	+			
		gas	HC	176	80					+	+	+															
		gas	HC	212	100					+	+	+															
		gas	HC	248	120						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1226	**potassium chromium(III) sulfate**	aq	CSC	68	20	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	chromium(III) potassium sulfate	aq	CSC	104	40	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	chromium alum	aq	CSC	140	60	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	CrK(SO4)2	aq	CSC	176	80					+	+	+					+	+	+	+	+	+		+	+	+	
	CrKO8S2	aq	CSC	212	100						+	+					+			+		+		+	+	+	
1227	**chromium(III) chloride**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	CrCl3	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	Cl3Cr	aq	CSC	140	60	+		+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1228	**chromium(III) fluoride**	aq	CSC	68	20	+		+	+	+	+	+					+					+		+	+	+	+
	CrF3	aq	CSC	104	40	+		+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	140	60			+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1229	**chromium(III) hydroxide**	aq	CSC	68	20	+		+	+	+	+	+					+			+				+	+	+	+
	Cr(OH)3	aq	CSC	104	40			+	+	+	+	+					+			+				+	+	+	+
	H3CrO3	aq	CSC	140	60			+	+	+	+	+					+			+				+	+	+	+
		aq	CSC	176	80						+	+					+							+	+	+	+
		aq	CSC	212	100						+	+					+							+	+	+	
1230	**chromium(III) nitrate**	aq	CSC	68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	Cr(NO3)3	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	CrN3O9	aq	CSC	140	60	**0**		+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1231	**chromium(III) oxide**		TP	68	20	+		+	+	+	+	+	-							+		+					
	Cr2O3		TP	104	40	+		+	+	+	+	+								+		+					
			TP	140	60			+	+	+	+	+								+		+					
			TP	176	80					+	+	+								+		+					
			TP	212	100					+	+	+															

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1232	**chromic acid**	aq	20%	68	20	+	+	+	+	+	+	+			-	-			-	**0**	-	+	**0**	+	+		+
	$CrO_3 + H_2O$	aq	20%	104	40	+	+	+	**0**	+	+	+								**0**		+	**0**	+	+		+
	H_2CrO_4	aq	20%	140	60	**0**	+	**0**	-	+	+	+								**0**		+	**0**	+	+		
		aq	20%	176	80		+			+	+	+												+	+		
		aq	20%	212	100						+	+															
		aq	30%	68	20	+	+	+	**0**	+	+	+			-	-				**0**	-	+	**0**	+	+		+
		aq	30%	104	40	+	+	**0**	-	+	+	+								**0**		+	**0**	+	+		+
		aq	30%	140	60	**0**	+	-	-	+	+	+								**0**		+	**0**	+	+		
		aq	30%	176	80		+			+	+	+												+	+		
		aq	30%	212	100						+	+															
		aq	50%	68	20	+		+	**0**	+	+	+		-	-	-				**0**	-	+	**0**	+	+		+
		aq	50%	104	40	+		**0**		+	+	+		-						**0**		+	**0**	+	+		+
		aq	50%	140	60	**0**		-	-	+	+	+		-						**0**		+	**0**	+	+		
		aq	50%	176	80					+	+	+												+	+		
		aq	50%	212	100						+	+															
		aq	60%	68	20	+		**0**	**0**	+	+	+			-	-			-	**0**	-	+	**0**	+	+		+
		aq	60%	104	40	+		-	-	+	+	+								**0**		+	**0**	+	+		+
		aq	60%	140	60			-	-	+	+	+								**0**		+	**0**	+	+		
		aq	60%	176	80						+	+												+	+		
		aq	60%	212	100						+	+															
1233	**chromosulfuric acid**			68	20	+		-	-	+	+	+	-	-	-	-								+	+		+
	$K_2CrO_4/H_2SO_4/H_2O$ = 250g/200g/1000g			104	40					+	+	+												+	+		+
				140	60						+	+												+	+		
				176	80						+	+												+			
				212	100						+	+															
1234	**chromosulfuric acid**			68	20	+				+	+	+	-		-	-								+	+		+
	$K_2CrO_4/H_2SO_4/H_2O$ = 340g/1 0g/1 000g			104	40					+	+	+												+	+		+
				140	60						+	+												+	+		
				176	80						+	+												+			
				212	100						+	+															
1235	**chromosulfuric acid**			68	20	+				+	+	+	-		-	-								+	+		+
	$K_2CrO_4/H_2SO_4/H_2O$ = 400g/10g/100g			104	40					+	+	+												+	+		+
				140	60						+	+												+	+		
				176	80						+	+												+			
				212	100						+	+															
1236	**chromosulfuric acid**			68	20	+				+	+	+			-	-								+	+		+
	$K_2CrO_4/H_2SO_4/H_2O$ = 400g/10g/1000g			104	40					+	+	+												+	+		+
				140	60						+	+												+	+		
				176	80						+	+												+			
				212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1237	**chromosulfuric acid**			68	20	+		-	-	+	+	+	-	-	-	-			-	**0**	-	+	**0**	+	+		+
	K2CrO4/H2SO4/H2O = 500/1 50/350g			104	40	**0**				+	+	+								**0**		+	**0**	+	+		+
				140	60					+	+	+										+		+	+		
				176	80					**0**	+	+												+			
				212	100						+	+															
1238	**citric acid**	aq	10%	68	20	+	+	+	+	+	+	+		+	+	+	+	+	**0**	+	+	+	+	+	+	+	+
	2-hydroxy-1,2,3-propanetricaboxylic acid	aq	10%	104	40	+	+	+	+	+	+	+			+	+	+	+	-	+	+	+	+	+	+	+	+
	HOC(CO2H)(CH2CO2H)2	aq	10%	140	60	+	+	+	+	+	+	+			+	+	+	+		+	+	+	+	+	+	+	
	C6H8O7	aq	10%	176	80		+		+	+	+	+										+		+	+	+	
		aq	10%	212	100					+	+	+												+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	**0**	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	-	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+			-	**0**	+	+		+	+	+	+	+	+	+	
		aq	CSC	176	80		+		+	+	+	+										+		+	+	+	
		aq	CSC	212	100					+	+	+												+	+		
1239	**crotonaldehyde**		TP	68	20	-	-	+	+	+	+	+	-		+	+	+		+	+	+	+	+	+	+		+
	trans-2-butenal		TP	104	40		-	+		+	+	+			+	+	+							+	+		+
			TP	140	60			**0**		**0**	+	+			+	+	+							+	+		+
	CH3CH=CHCHO		TP	176	80		-				+	+			+	+	+								+		+
	C4H6O		TP	212	100						+	+			+	+	+								+		+
1241	**crotonic acid**		TP	68	20	+		-	-		+	+															
	trans-2-butenoic acid		TP	104	40						+	+															
			TP	140	60						+	+															
	CH3CH=CHCO2H		TP	176	80						+	+															
	C4H6O2		TP	212	100						+	+															
1242	**cumene**		TP	68	20	-	-	-	-	+	+	+		-	+	+	+		-	-	-	+	-	+	+		+
	2-phenylpropane		TP	104	40					+	+	+			+	+	+							+	+		+
	isopropylbenzene		TP	140	60					+	+	+			+	+	+							+	+		+
	C6H5CH(CH3)2		TP	176	80						+	+			+	+	+								+		+
	C9H12		TP	212	100						+	+			+	+	+								+		+
1243	**cyanamide**		TP	68	20	-		-	-		+	+															
	H2NCN		TP	104	40						+	+															
	CH2N2		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1244	**cyanoacetic acid ethyl ester**		TP	68	20	-	-	-	-		+	+			+	+	+							+	+		+
	ethyl cyanoacetate		TP	104	40						+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	NCCH2CO2C2H5		TP	176	80						+	+			+	+	+								+		+
	C5H7NO2		TP	212	100						+	+			+	+	+								+		+

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1246	**cyclohexane**		TP	68	20	-	-			+	+	+	**0**	+	+	+		-	+	-	-	+	-	+	+		+
	hexahydrobenzene		TP	104	40		-			+	+	+	**0**		+	+								+	+		+
	C6H1 2		TP	140	60		-			+	+	+			+	+								+	+		+
			TP	176	80		-			+	+	+			+	+								+	+		+
1247	**cyclohexanol**		TP	68	20	+	-	+	+	+	+	+			+	+	+	-	-	-	-		-	+	+		+
	C6H11OH		TP	104	40	+	-	+	+	+	+	+			+	+	+						-	+	+		+
	C6H12O		TP	140	60	**0**	-	+	**0**	**0**	+	+			+	+	+							+	+		+
			TP	176	80		-			**0**	+	+			+	+	+								+		+
			TP	212	100					-	+	+			+	+	+								+		+
1248	**cyclohexanone**		TP	68	20	-	-	+	+	+	+	+	-	-	+	+	+	-	-	-	-	-	-	+	+		+
	C6H10O		TP	104	40	-	**0**	**0**	**0**	+		+		-	+	+	+							+	+		+
			TP	140	60	-	**0**	**0**	**0**	+		+		-	+	+	+							+	+		+
			TP	176	80		-			-	+	+		-	+	+	+							+	+		+
			TP	212	100						+	+		-	+	+	+							+	+		+
1249	**cyclohexene**		TP	68	20	-		-	-		+	+			+	+	+	-	-	-	-			+	+		+
	1,2,3,4-tetrahydrobenzene		TP	104	40						+	+			+	+	+							+	+		+
	C6H10		TP	140	60						+	+			+	+	+							+	+		+
			TP	176	80						+	+			+	+	+								+		+
1250	**cyclohexylamine**		TP	68	20	-	-	-			+	+			+	+	+			-		-		+	+		+
	aminocyclohexane		TP	104	40						+	+			+	+	+							+	+		+
	cyclohexanamine		TP	140	60						+	+			+	+	+							+	+		+
	C6H11NH2		TP	176	80						+	+			+	+	+								+		
	C6H13N		TP	212	100						+	+			+	+	+								+		
1252	**cymene(o-, m- a.p-)**		TP	68	20	-		-	-		+	+															
	Isopropylmethylbenzene (o-, m- a. p-)		TP	104	40						+	+															
	CH3C6H4CH(CH3)2		TP	140	60						+	+															
	C10H14		TP	176	80						+	+															
			TP	212	100						+	+															
1253	**L-cysteine**		TP	68	20				+		+	+															
	(R)-2-amino-3-mercaptopropionic acid		TP	104	40						+	+															
	cys		TP	140	60						+	+															
	HSCH2CH(NH2)CO2H		TP	176	80						+	+															
	C3H7NO2S		TP	212	100						+	+															
1254	**L-cystine**		TP	68	20				+		+	+															
	[-SCH2CH(NH2)CO2H]2		TP	104	40						+	+															
	C6H1 2N2O4S2		TP	140	60						+	+															
			TP	176	80						+	+															

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
			TP	212	100						+	+															
1255	**DDT**		TP	68	20	+		+	+		+	+															
	1,1-bis(4-chlorophenyl)-2,2,2-trichloroethane		TP	104	40			+	+		+	+															
	dichlorodiphenyltrichloroethane		TP	140	60			+	+		+	+															
	(ClC6H4)2CHCCl3		TP	176	80						+	+															
	C14H9Cl5		TP	212	100						+	+															
1256	**decaline**		TP	68	20	+		+	-		+	+				+	+	-	-	-	-	+	-	+	+		+
	decahydronaphthalene		TP	104	40	+		0	-		+	+				+	+	-	-	-	-	0	-	+	+		+
			TP	140	60	+		0	-		+	+				+	+	-	-	-	-	-	-	+	+		+
			TP	176	80				-		+	+				+	+	-	-	-	-	-	-	+	+		+
	C10H18		TP	212	100				-		+	+				+	+	-	-	-	-	-	-		+		+
			TP	248	120				-		+	+				+	+	-	-	-	-	-	-		+		+
1257	**dextran**		TP	68	20	+					+	+															
	(C6H1 0O5)x		TP	104	40						+	+															
	C6H1 0O5		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1258	**dextrin**	aq	DL	68	20	+	+	+	+	+	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	starch gum	aq	DL	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	DL	140	60	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
	(C6H10O5)n • xH2O	aq	DL	176	80		+			+	+	+			+	+	+								+	+	+	
	C6H10O5	aq	DL	212	100					+	+	+																
1259	**D(+)-glucose**	aq	DL	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	dextrose	aq	DL	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	C6H12O6	aq	DL	140	60	0	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	DL	176	80		+		+	+	+	+			+	+	+	-	+	+	+	+	+	+	+	+		
		aq	DL	212	100					+	+	+			+	+	+					+	+	+	+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	0	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+	-	+	+	+	+	+	+	+	+		
		aq	CSC	212	100					+	+	+			+	+	+					+		+	+	+		
1260	**butyl ether**		TP	68	20	0	-	+	0	0	+	+			+	+	+	-	0	-	-	-	0	+	+		+
	dibutyl ether		TP	104	40	-		0	-		+	+			+	+	+	-	-	-	-			+	+		+
			TP	140	60	-		-	-		+	+			+	+	+	-	-	-	-			+	+		+
	CH3(CH2)3O(CH2)3CH3		TP	176	80						+	+			+	+	+								+		+
	C8H18O		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1261	**dibutyl phthalate**		TP	68	20	-	-	+	+	+	+	+		-	+	+	+	-	-	-	-	**0**	-	+	+		+
	phthalic acid dibutyl ester		TP	104	40	-	-	**0**	**0**	**0**	+	+			+	+	+							+	+		+
			TP	140	60	-	-	**0**	**0**	**0**	+	+			+	+	+							+	+		+
	C6H4[CO2(CH2)3CH3]2		TP	176	80		-		-	-	+	+			+	+	+								+		+
	C16H22O4		TP	212	100					-	+	+			+	+	+								+		+
			TP	248	120					-	+	+			+	+	+								+		+
1262	**dichlorobenzene (o-, m- a. p-)**		TP	68	20	-	-	-	-	+	+	+		-	+	+	+	-	-	-	-	+	-	+	+		+
	ClC6H4Cl		TP	104	40		-			+	+	+			+	+	+							+	+		+
	C6H4Cl2		TP	140	60		-			+	+	+			+	+	+							+	+		+
			TP	176	80		-			**0**	+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+							+	+		+
			TP	248	120						+	+			+	+	+								+		+
1263	**dichloroacetic acid**	aq	50%	68	20	+		+	+	+	+	+				-			-		+	**0**	+	+	+		
	Cl2CHCO2H	aq	50%	104	40	+		+	+	+	+	+									**0**	**0**	+	+	+		
	C2H2Cl2O2	aq	50%	140	60	-		+	+		+	+									-	-	**0**	+	+		
		aq	50%	176	80						+	+													+		
		aq	50%	212	100						+	+															
			TP	68	20	-	-	-	+		+	+				-			-		**0**	**0**	+	+	+		
			TP	104	40	-	-	-	+		+	+									-	-	**0**	+	+		
			TP	140	60	-		-	-		+	+											-	+	+		
			TP	176	80						+	+													+		
			TP	212	100						+	+															
			TP	248	120						+	+															
1264	**1,2-dichloroethane**		TP	68	20	-	-	-	-	+	+	+		-	+	+	+	-	-	-	-	**0**	-	+	+		+
	ethylene chloride		TP	104	40	-	-	-	-	+	+	+			+	+	+							+	+		+
	ClCH2CH2Cl		TP	140	60	-	-	-	-	+	+	+			+	+	+							+	+		+
	C2H4Cl2		TP	176	80					+	+	+			+	+	+								+		+
1265	**1,1-dichloroethane**		TP	68	20	-	-	-	-	+	+	+	-	-	+	+	+	-	-	-	-	**0**	-	+	+		+
	1,1-dichloroethylene																										
	vinylidene dichloride																										
	CH2=CCl2																										
	C2H2Cl2																										
1266	**dichloromethane**		TP	68	20	-	-	-	-	-	+	+	-	-	+	+	+	-	-	-	-	**0**	-	+	+		+
	methylene chloride		TP	104	40	-	-		-		+	+	-	-	+	+	+							+	+		+
	CH2Cl2																										

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1267	**1,2-dichloropropane**		TP	68	20	-	-	-	-		+	+		-	+	+	+	-	-	-	-		-	+	+		+
	propylene chloride		TP	104	40						+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	CH3CHClCH2Cl		TP	176	80						+	+			+	+	+								+		+
	C3H6Cl2		TP	212	100						+	+			+	+	+								+		+
1268	**1,3-dichloropropene**		TP	68	20	-	-	-	-		+	+		-	+	+	+	-	-	-	-		-	+	+		+
	chloroallyl chloride		TP	104	40						+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	ClCH2CH=CHCl		TP	176	80						+	+			+	+	+								+		+
	C3H4Cl2		TP	212	100						+	+			+	+	+								+		+
1269	**1,2-dichlorotetrafluoroethane**	gas	TP	68	20	+		**0**	-	+	+	+															
	Frigen 114	gas	TP	104	40	**0**					+	+															
		gas	TP	140	60						+	+															
	ClCF2CF2Cl	gas	TP	176	80						+	+															
	C2Cl2F4	gas	TP	212	100						+	+															
1270	**Diesel fuels**			68	20	+		+	+	+	+	+	+	+	+	+	+	-	+	-	-	+	**0**	+	+		+
				104	40	+		+	**0**	+	+	+		+	+	+	+		+			+	-	+	+		+
				140	60	**0**		**0**	-	+	+	+		+	+	+	+							+	+		+
				176	80					+	+	+			+	+	+							+	+		+
				212	100					+	+	+			+	+	+							+	+		+
				248	120					+	+	+			+	+	+								+		+
1271	**diethanolamine**		TP	68	20			+	+	-	+	+			+	+						-		+	+		+
	2,2'-iminodiethanol		TP	104	40						+	+			+	+								+	+		+
	bis(2-hydroxyethyl)amine		TP	140	60						+	+			+	+								+	+		
	(HOCH2CH2)2NH		TP	176	80						+	+			+	+									+		
	C4H11NO2		TP	212	100						+	+			+	+									+		
1272	**diethylamine**		TP	68	20	**0**	-	+	+	**0**	+	+			+	+	+	-	-	**0**	-	-	-	+	+		+
	(C2H5)2NH		TP	104	40	**0**	-	**0**		-	+	+			+	+	+							+	+		+
	C4H11N		TP	140	60			**0**			+	+			+	+	+							+	+		+
1273	**diethylene glycol**		TP	68	20	+		+	+	+	+	+	-		+	+	+	+	+	+	**0**	+	+	+	+		+
	bis(2-hydroxyethyl)ether		TP	104	40	+		+	+	+	+	+			+	+	+	+	+	+	**0**	+	+	+	+		+
	diglycol		TP	140	60	+		+	+	+	+	+			+	+	+	+	+	+	**0**	+	+	+	+		+
	O(CH2CH2OH)2		TP	176	80					+	+	+			+	+	+	-	-	+	-	+	+	+	+		+
	C4H10O3		TP	212	100					+	+	+			+	+	+			+		+	**0**	+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1274	**diethyl ether**		TP	68	20	-	-	**0**	**0**	+	+	+	-		+	+	+	-	-	-	-	-	**0**	+	+	+	+
	ethyl ether		TP	104	40	-	-	-	**0**	+	+	+			+	+	+							+	+	+	+
	ether																										
	(C2H5)2O																										
	C4H10O																										
1275	**diethyl ketone**		TP	68	20	**0**	-	+	**0**		+	+	-		+	+	+					-		+	+		+
	3-pentanone		TP	104	40						+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	C2H5COC2H5		TP	176	80						+	+			+	+	+								+		+
	C5H10O		TP	212	100						+	+			+	+	+								+		+
1276	**diglycolic acid**	aq	30%	68	20	+		+	+	+	+	+	-	+	+	+	+							+	+	+	+
	O(CH2CO2H)2	aq	30%	104	40	+		+	+		+	+	-		+	+	+							+	+	+	+
	C4H6O5	aq	30%	140	60	**0**		+	+		+	+					+							+	+		
		aq	30%	176	80						+	+					+							+	+		
		aq	30%	212	100						+	+					+							+	+		
1277	**diisobutyl ketone**		TP	68	20	+		+	+	+	+	+	-		+	+	+	+	-	**0**	-	-	-	+	+		+
	2,6-dimethyl-4-heptanone		TP	104	40			-	-	+	+	+			+	+	+	**0**						+	+		+
	isovalerone		TP	140	60			-	-	**0**	+	+			+	+	+							+	+		+
	(CH3)2CHCH2COCH2CH(CH3)2		TP	176	80						+	+			+	+	+								+		+
	C9H18O		TP	212	100						+	+			+	+	+								+		+
1278	**diisopropyl ether**		TP	68	20	-	-	**0**	-	+	+	+	+	-	+	+	+	-	-	-	-	-	-	+	+		+
	isopropyl ether		TP	104	40			**0**		+	+	+	+	-	+	+	+							+	+		+
			TP	140	60			-	-	+	+	+		-	+	+	+							+	+		+
	(CH3)2CHOCH(CH3)2			32																							
	C6H1 4O			32																							
1279	**dimethylamine**		TP	68	20	-		+	+	**0**	+	+							-	**0**	-	-	-				
	(CH3)2NH		TP	104	40			**0**		-	+	+															
	C2H7N		TP	140	60			**0**			+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1280	**N,N-dimethylaniline**		TP	68	20	-	-			+	+	+		-	+	+	+	-		-	-			+	+		+
	C6H5N(CH3)2		TP	104	40					+	+	+			+	+	+							+	+		+
	C8H11N		TP	140	60					**0**	+	+			+	+	+							+	+		+
			TP	176	80					-	+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+

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1282	**dimethylformamide**		TP	68	20	-	-	+	+	-	+	+	-		+	+	+		-	**0**	-	-	-	+	+		+
	N,N-dimethylformamide		TP	104	40		-	+	+		+	+			+	+	+							+	+		+
	DMF		TP	140	60		-	**0**	+		+	+			+	+	+							+	+		+
	HCON(CH3)2		TP	176	80		-				+	+			+	+	+							+	+		
	C3H7NO		TP	212	100						+	+			+	+	+								+		
			TP	248	120						+	+			+	+	+								+		
1283	**1,1-dimethylhydrazine**	aq	CSC	68	20	+		+	+		+	+			+	+	+							+	+		
	H2NN(CH3)2	aq	CSC	104	40	+		+	+		+	+			+	+	+							+	+		
	C2H8N2	aq	CSC	140	60	+					+	+			+	+	+							+	+		
		aq	CSC	176	80						+	+			+	+	+								+		
		aq	CSC	212	100						+	+			+	+	+								+		
1284	**dimethyl phthalate**		TP	68	20	-	-	**0**	+		+	+		-	+	+	+		-	**0**	-	+	-	+	+		+
	phthalic acid dimethyl ester		TP	104	40						+	+			+	+	+							+	+		+
	DMP		TP	140	60						+	+			+	+	+							+	+		+
	C6H4-1,2-(CO2CH3)2		TP	176	80						+	+			+	+	+								+		+
	C10H10O4		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1285	**sodium hydrogenphosphate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	disodium hydrogenphosphate	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+			+		+		+	+	+	+
	Na2HPO4	aq	CSC	176	80		+			+	+	+					+							+	+	+	
	HNa2PO4	aq	CSC	212	100					+	+	+					+							+	+	+	
1286	**1,4-dioxane**		TP	68	20	-	-	+	**0**	**0**	+	+	-		+	+	+	**0**	-	**0**	-	-	-	+	+		+
	C4H8O2		TP	104	40			+	**0**	-	+	+	-		+	+	+							+	+		+
			TP	140	60			+	**0**		+	+			+	+	+								+		+
			TP	176	80				-		+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1287	**diphenyl**		TP	68	20	-		+	**0**	-	+	+															
	biphenyl		TP	104	40			+	**0**		+	+															
	dibenzene		TP	140	60			+	**0**		+	+															
	C6H5-C6H5		TP	176	80						+	+															
	C12H10		TP	212	100						+	+															
1288	**diphenylamine**		TP	68	20	-		-	-	-	+	+															
	N-phenylaniline		TP	104	40						+	+															
	(C6H5)2NH		TP	140	60						+	+															
	C12H11N		TP	176	80						+	+															
			TP	212	100						+	+															

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1289	**diphenyl ether**		TP	68	20	-		-	-	-	+	+		-	+	+	+	-		-	-			+	+		+
	diphenyl oxide		TP	104	40						+	+			+	+	+							+	+		+
	phenyl ether		TP	140	60						+	+			+	+	+							+	+		+
	(C6H5)2O		TP	176	80						+	+			+	+	+								+		+
	C12H10O		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1290	**benzophenone**		TP	68	20						+	+												+			
	diphenyl ketone		TP	104	40						+	+												+			
			TP	140	60						+	+															
	(C6H5)2CO		TP	176	80						+	+															
	C13H10O		TP	212	100						+	+															
1295	**iron(III) chloride sulfate**	aq	40%	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
	FeClSO4	aq	40%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
	ClFeO4S	aq	40%	140	60			+	+	+	+	+					+					+		+	+	+	+
		aq	40%	176	80				+		+	+					+							+	+		
		aq	40%	212	100						+	+					+							+	+		
1296	**iron(II) chloride**	aq	DL	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
	FeCl2	aq	DL	104	40	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
	Cl2Fe	aq	DL	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+	+
		aq	DL	176	80	-	+		+	+	+	+					+	**0**			+	+	+	+	+			
		aq	DL	212	100					+	+	+					+					+		+	+			
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+	**0**		+		+	+	+	+			
		aq	CSC	212	100					+	+	+					+					+		+	+			
			TP	68	20	+	+		+	+	+	+	+					+	+	+	+	+	+	+				
			TP	104	40	+	+		+	+	+	+	+					+	+	+	+	+	+	+				
			TP	140	60	**0**	+		+	+	+	+						+	+	+	+	+	+	+				
			TP	176	80		+			+	+	+						+	**0**		+		+		+			
			TP	212	100					+	+	+											+	+	+			
1297	**iron(II) hydroxide**	aq	CSC	68	20		+	+	+					+			+			+		+		+	+	+	+
	Fe(OH)2	aq	CSC	104	40		+	+	+					+			+			+		+		+	+	+	+
	H2FeO2	aq	CSC	140	60		+	+	+					+			+			+				+	+		+
		aq	CSC	176	80		+		+								+			+				+	+		
		aq	CSC	212	100												+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1298	**iron(III) chloride**	aq	10%	68	20	+	+	+	+	+	+	+			-	-	+	+	+	+	+	+	+	+	+	+	+
	ferric chloride	aq	10%	104	40	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	FeCl3	aq	10%	140	60	**0**	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+	+	+	+	+						+	**0**		+		+		+	+		+
		aq	10%	212	100					+	+	+					+							+	+		+
		aq	48%	68	20	+	+	+	+	+	+	+			-	-	+	+	+	+	+	+	+	+	+	+	+
		aq	48%	104	40	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	48%	140	60		+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	48%	176	80		+		+	+	+	+					+	-	**0**	+	**0**	+		+	+		+
		aq	48%	212	100					+	+	+					+		**0**	**0**	**0**	+		+	+		+
1299	**iron(III) nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	Fe(NO3)3	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	FeN3O9	aq	CSC	140	60		+	+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1300	**iron(III) sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Fe2(SO4)3	aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Fe2O12S3	aq	10%	140	60	**0**	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+			+	+	+			+		+		+	+		+
		aq	10%	212	100					+	+	+			+	+	+							+	+		+
		aq	50%	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	50%	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	50%	140	60	**0**	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	50%	176	80		+		+	+	+	+					+			+		+		+	+		+
		aq	50%	212	100					+	+	+					+							+	+		+
		aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+		+	+		+
		aq	CSC	212	100					+	+	+					+							+	+		+
1301	**iron(II) nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	Fe(NO3)2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	FeN2O6	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+	**0**	**0**	+	+	+	**0**	+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
			TP	68	20	+	+	+	+	+	+	+						+	+	+	+	+	+				
			TP	104	40	+	+	+	+	+	+	+						+	+	+	+	+	+				
			TP	140	60	**0**	+	+	+	+	+	+						+	+	+	+	+	+				
			TP	176	80		+			+	+	+						**0**	**0**	+	+	+	**0**				
			TP	212	100					+	+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1302	**iron(II) sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+
	FeSO4	aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+
	FeO4S	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+		**0**	+	**0**	+	**0**	+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
			TP	68	20	+	+	+	+	+	+	+	+					+	+	+	+	+	+	+			
			TP	104	40	+	+	+	+	+	+	+	+					+	+	+	+	+	+	+			
			TP	140	60	**0**	+		+	+	+	+						+	+	+	+	+	+	+			
			TP	176	80		+			+	+	+							+	+	+	+	**0**	+			
			TP	212	100					+	+	+												+			
1303	**iron oxalate**	aq		68	20	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	iron(II)/(III) oxalate	aq		104	40	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	oxalic acid iron salts	aq		140	60	**0**		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	FeC2O4/Fe2(C2O4)3	aq		176	80				+	+	+	+								+	+	+	**0**	+	+		
	C2FeO4/C6Fe2O12	aq		212	100						+	+												+	+		
1307	**epichlorohydrin**		TP	68	20	-	-	+	+	-	+	+								-		-		+	+		+
	chloromethyloxirane		TP	104	40	-	-	+	+	-	+	+												+	+		+
	1-chloro-2,3-epoxypropane		TP	140	60			+	+	-	+	+												+	+		+
			TP	176	80					-	+	+													+		+
	C3H5ClO		TP	212	100					-	+	+													+		+
			TP	248	120					-	+	+															
1308	**natural gas**	gas	HC	68	20	+		+	+	+	+	+							+	-	-	+	-				
	CH4	gas	HC	104	40					+	+	+															
		gas	HC	140	60					+	+	+															
		gas	HC	176	80					+	+	+															
		gas	HC	212	100					+	+	+															
1309	**petroleum**			68	20	**0**		+	+	+	+	+	+		+	+	+	-		-	-	+		+	+		+
	crude oil			104	40			**0**	**0**	+	+	+	+		+	+	+							+	+		+
				140	60			-	-	+	+	+			+	+	+							+	+		+
				176	80					+	+	+			+	+	+							+	+		+
				212	100					+	+	+			+	+	+							+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1310	**acetic acid**	aq	5%	68	20	+	+	+	+	+	+	+	-		+	+	+		+	+	+		**0**		+	+	+
		aq	5%	104	40	+	+	+	+	+	+	+			+	+	+				+	-	-		+	+	+
	ethanoic acid	aq	5%	140	60		+	+	+	+	+	+					+								+	+	+
	CH3CO2H	aq	5%	176	80					+	+	+					+								+		+
	C2H4O2	aq	5%	212	100						+	+					+								+		
		aq	10%	68	20	+	+	+	+	+	+	+	-		+	+	+		+	+	+		**0**		+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+			+	+	+				+	-	-		+	+	+
		aq	10%	140	60		+	+	+	+	+	+					+								+	+	+
		aq	10%	176	80					+	+	+					+								+		+
		aq	10%	212	100						+	+					+								+		
		aq	25%	68	20	+	-	+	+	+	+	+	-		+	+	+		-	**0**	+		**0**		+	+	+
		aq	25%	104	40	+		+	+	+	+	+		**0**	+	+	+			**0**	+				+	+	+
		aq	25%	140	60			+	+	+	+	+		-			+								+	+	+
		aq	25%	176	80					+	+	+					+								+		+
		aq	25%	212	100						+	+					+								+		
		aq	50%	68	20	+	-	+	+	+	+	+	-		+	+	+	-	**0**	**0**	-	**0**			+	+	+
		aq	50%	104	40	+		+	+	+	+	+		-	+	+	+			-					+	+	+
		aq	50%	140	60			+	+	+	+	+					+								+	+	+
		aq	50%	176	80					+	+	+					+							-	+		+
1310	**acetic acid**	aq	50%	212	100						+	+					+								+		
	ethanoic acid	aq	60%	68	20	+	-	+	+	+	+	+	-		+	+	+		-	**0**	-	-	+			+	+
	CH3CO2H	aq	60%	104	40	+		+	+	+	+	+		-	+	+	+			-					+	+	+
	C2H4O2	aq	60%	140	60						+	+					+								+	+	+
		aq	60%	176	80						+	+					+								+		+
		aq	60%	212	100						+	+					+								+		
		aq	80%	68	20	+	-	+	+	+	+	+	-		+	+	+		-	**0**	-	-	-		+		+
		aq	80%	104	40	**0**		+	+	+	+	+		-	+	+	+			-					+		+
		aq	80%	140	60						+	+					+								+		
		aq	80%	176	80						+	+					+								+		
		aq	80%	212	100						+	+					+								+		
		aq	90%	68	20	+	-	+	+	+	+	+	-		+	+	+	-	-	-	-	-	-		+		+
		aq	90%	104	40	**0**		+	+	+	+	+		-	+	+	+								+		+
		aq	90%	140	60						+	+					+								+		
		aq	90%	176	80						+	+					+								+		
		aq	90%	212	100						+	+					+								+		
		aq	95%	68	20	+	-	+	+	+	+	+	-		+	+	+	-	-	-	-	-	-		+		+
		aq	95%	752	400			+	+	**0**	+	+		-	+	+	+								+		+
		aq	95%	140	60						+	+					+								+		
		aq	95%	176	80						+	+					+								+		
		aq	95%	212	100						+	+					+								+		
			TP	68	20	**0**	-	+	+	**0**	+	+	-	-	+	+	+	-	-	-	-	-	-		+		+
			TP	104	40	-		**0**	+		+	+			+	+	+								+		+
			TP	140	60						+	+					+								+		
			TP	176	80						+	+					+								+		
			TP	212	100						+	+					+								+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1311	**ethane**	gas	HC	68	20	+		+	+	+	+	+							+	-	-	+	-				
	CH3CH3	gas	HC	104	40			+		+	+	+															
	C2H6	gas	HC	140	60			+		+	+	+															
		gas	HC	176	80					+	+	+															
		gas	HC	212	100					+	+	+															
1312	**ethanol**	aq	10%	68	20	+	**0**	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+		+
	ethyl alcohol	aq	10%	104	40	+	**0**	+	+	+	+	+			+	+	+	+		+	+		+	+	+		+
	CH3CH2OH	aq	10%	140	60	+	**0**	+	+	+	+	+			+	+	+	+		+	+		+	+	+		+
	C2H6O	aq	10%	176	80		**0**			+	+	+			+	+	+	**0**		+	+			+	+		+
		aq	50%	68	20	+	**0**	+	+	+	+	+	**0**	+	+	+	+	+		+	+		+	+	+		+
		aq	50%	104	40	+	**0**	+	+	+	+	+			+	+	+	+		+	+		+	+	+		+
		aq	50%	140	60	**0**	**0**	+	+	+	+	+			+	+	+	+		+	+		+	+	+		+
		aq	50%	176	80		**0**			+	+	+			+	+	+	**0**		+	+			+	+		+
			TP	68	20	+	**0**	+	+	+	+	+	-	+	+	+	+	+		+	+		+	+	+		+
			TP	104	40	+	**0**	+	+	+	+	+			+	+	+	+		+	+		+	+	+		+
			TP	140	60	**0**	**0**	+	+	+	+	+			+	+	+	+		+	+		**0**	+	+		+
			TP	176	80		**0**			+	+	+			+	+	+	**0**		+	+			+	+		+
1313	**ethanolamine**		TP	68	20	-	-	+	+	-	+	+	-		+	+	+		+	+	+	-	+	+	+		+
	2-aminoethanol		TP	104	40	-	-	+	+		+	+			+	+	+		+	+	+	-		+	+		+
	colamine		TP	140	60	-	-	+	+		+	+					+		**0**		**0**			+	+		
	NH2CH2CH2OH		TP	176	80		-		+		+	+					+								+		
	C2H7NO		TP	212	100						+	+					+								+		
1314	**ethene**	gas	HC	68	20	+		+		+	+	+															
	ethylene	gas	HC	104	40			+		+	+	+															
		gas	HC	140	60			**0**		+	+	+															
	CH2=CH2	gas	HC	176	80					+	+	+															
	C2H4	gas	HC	212	100					+	+	+															
1316	**2-ethyl-1-hexanol**		TP	68	20	+		+	+		+	+			+	+	+			-				+	+		+
	isooctanol		TP	104	40			+			+	+			+	+	+							+	+		+
	CH3(CH2)3CH(C2H5)CH2OH		TP	140	60			**0**			+	+			+	+	+							+	+		+
	C8H18O		TP	176	80						+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		
1317	**ethyl acetate**		TP	68	20	-	-	+	+		+	+	-	-	+	+	+	-	-	-	-	-	-	+	+		+
	acetic acid ethyl ester		TP	104	40			**0**	**0**	-	+	+			+	+	+							+	+		+
			TP	140	60			-	-		+	+			+	+	+							+	+		+
	CH3CO2C2H5		TP	176	80						+	+			+	+	+								+		+
	C4H8O2																										

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: + = Resistance; **0** = Conditionally Resistant; - = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1318	**ethyl acrylate**		TP	68	20	-	-				+	+					+		-	0	0	-	0		+		+
	acrylic acid ethyl ester		TP	104	40	-	-				+	+													+		+
	2-propenoic acid ethyl ester		TP	140	60	-	-			-	+	+													+		+
	CH2=CHCO2C2H5		TP	176	80		-			-	+	+													+		+
	C5H8O2		TP	212	100						+	+													+		+
1319	**ethylbenzene**		TP	68	20	-	-	0	0	+	+	+		-	+	+	+	-	-	-	-	+	-	+	+		+
	phenylethane		TP	104	40		-	-	-		+	+			+	+	+							+	+		+
			TP	140	60		-	-			+	+			+	+	+							+	+		+
	C6H5C2H5		TP	176	80		-				+	+			+	+	+							+	+		+
	C8H10		TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1320	**ethyl chloride**	gas	TP	68	20	-	-	0	0	+	+	+						-				0	-				
		gas	TP	104	40		-	-	0	+	+	+										0					
		gas	TP	140	60		-			+	+	+										0					
		gas	TP	176	80		-			+	+	+															
		gas	TP	212	100					+	+	+															
1321	**ethylene bromide**		TP	68	20	-	-	0	-	+	+	+			+	+	+	-	-	-	-	0	0	+	+		+
	1 ,2-dibromoethane		TP	104	40		-	-		+	+	+			+	+	+							+	+		+
			TP	140	60		-			+	+	+			+	+	+							+	+		+
	BrCH2CH2Br		TP	176	80		-			+	+	+			+	+	+							+	+		+
	C2H4Br2		TP	212	100					+	+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1322	**ethylenediamine**		TP	68	20	0	-	+	+		+	+	-		+	+	+		-	+		-		+	+		+
	ethane-1,2-diamine		TP	104	40	-	-	+	+		+	+			+	+	+							+	+		+
	1,2-diaminoethane		TP	140	60	-	-	+	+		+	+			+	+	+	0						+	+		
	H2NCH2CH2NH2		TP	176	80		-				+	+			+	+	+								+		
	C2H8N2		TP	212	100						+	+			+	+	+								+		
1323	**ethylenediaminetetraacetic acid**		TP	68	20		+	+	+		+	+	-														
	EDTA		TP	104	40		+	+	+		+	+															
	Titriplex® II		TP	140	60		+	+	+		+	+															
	(HO2CCH2)2NCH2CH2N(CH2CO2H)2		TP	176	80		+				+	+															
	C10H16N2O8		TP	212	100						+	+															
1324	**ethylene gycol**		TP	68	20	+	0	+	+	+	+	+	-		+	+	+	+	+	+	0	+	+	+	+	+	+
	1,2-ethanediol		TP	104	40	+		+	+	+	+	+			+	+	+	+	+	+	0	+	+	+	+	+	+
	glycol		TP	140	60	+		+	+	+	+	+			+	+	+			+	0	+	+	+	+	+	+
	HOCH2CH2OH		TP	176	80					+	+	+			+	+	+			+	0	+	+	+	+		
	C2H6O2		TP	212	100					+	+	+			+	+	+	-	+		0	+	0	+	+		
			TP	248	120						+	+			+	+	+								+		

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: + = Resistance; 0 = Conditionally Resistant; - = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1325	**ethylene glycol diethyl ether**		TP	68	20	+		+	+	+	+	+	-		+	+	+	+	+	+	0		+	+	+		+
	1 ,2-diethoxyethane		TP	104	40	+		+	+	+	+	+			+	+	+	+	+	+	0		+	+	+		+
	diethyl glycol		TP	140	60			+	+	+	+	+			+	+	+	+	+	+	0		+	+	+		+
	CH3CH2OCH2CH2OCH2CH3		TP	176	80					+	+	+			+	+	+	-	0	+	-		+	+	+		+
	C6H14O2		TP	212	100					+	+	+			+	+	+		0	+			+	+	+		+
1326	**ethylene oxide**	gas	TP	68	20	0	-	+	+	+	+	+						-	-					+			
	oxirane	gas	TP	104	40		-			+	+	+												+			
	dimethylene oxide	gas	TP	140	60		-				+	+												+			
		gas	TP	176	80		-				+	+												+			
	C2H4O	gas	TP	212	100						+	+												+			
1328	**ethyl methyl ketone**		TP	68	20	-	-	+	+	-	+	+	-	-	+	+	+	-	-	0	-	-	0	+	+		+
	methyl ethyl ketone (MEK)		TP	104	40		-	0	0		+	+		-	+	+	+			0				+	+		+
	butanone		TP	140	60		-	-	0		+	+		-	+	+	+							+	+		+
	CH3CH2COCH3		TP	176	80		-				+	+			+	+	+								+		+
	C4H8O																										
1329	**pottasium hexacyanoferrate(II)**	aq	10%	68	20	+		+	+	+	+	+		+	+	+	+		+	+		+	+	+	+		+
	potassium ferrocyanide prussiate	aq	10%	104	40	+		+	+	+	+	+		+	+	+	+		+	+		+	+	+	+		+
	yellow K4Fe(CN)6	aq	10%	140	60	0		+	+	+	+	+		+	+	+	+		0	+		+	+	+	+		+
	C6FeK4N6	aq	10%	176	80					+	+	+			+	+	+					+	+	+	+		+
		aq	10%	212	100					+	+	+			+	+	+							+	+		
		aq	CSC	68	20	+				+	+	+			+	+	+		+	+		+	+	+	+		+
		aq	CSC	104	40	+				+	+	+			+	+	+		+	+		+	+	+	+		+
		aq	CSC	140	60	0				+	+	+			+	+	+		0	+		+	+	+	+		+
		aq	CSC	176	80					+	+	+			+	+	+					+	+	+	+		+
		aq	CSC	212	100					+	+	+			+	+	+							+	+		
1330	**potassium hexacyanoferrate(III)**	aq	DL	68	20	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	potassium ferricyanide	aq	DL	104	40	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	red prussiate	aq	DL	140	60	0		+	+	+	+	+		+	+	+	+		0	+	0	+	+	+	+	+	+
	K3Fe(CN)6	aq	DL	176	80					+	+	+			+	+	+					+	+	+	+		
	C6FeK3N6	aq	DL	212	100					+	+	+			+	+	+							+	+		
		aq	CSC	68	20	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	0		+	+	+	+	+		+	+	+	+		0	+	0	+	+	+	+	+	+
		aq	CSC	176	80					+	+	+			+	+	+					+	+	+	+		
		aq	CSC	212	100					+	+	+			+	+	+							+	+		
1331	**fatty alcohols**	aq		68	20	+		+	+	+	+	+			+	+	+		+			+	+	+	+		+
		aq		104	40	+		+	+	+	+	+			+	+	+		+			+	+	+	+		+
		aq		140	60	0		+	0	+	+	+			+	+	+		+			+	+	+	+		+
		aq		176	80					+	+	+			+	+	+							+	+		
		aq		212	100					+	+	+			+	+	+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1332	**fatty alcohol sulfates**	aq		68	20	+		+	+	+	+	+			+	+	+		+	+	+	+	+	+	+		+
	alkyl sulfates	aq		104	40	+		+	+	+	+	+			+	+	+		+	+	+	+	+	+	+		+
		aq		140	60	**0**		+	**0**	+	+	+			+	+	+		+	+	+	+	+	+	+		+
	ROSO3X	aq		176	80					+	+	+			+	+	+							+	+		+
		aq		212	100					+	+	+			+	+	+							+	+		
1333	**trigylceride**			68	20	+				+	+	+			+	+	+	-	**0**	-	**0**	+	-	+	+		+
				104	40	+				+	+	+			+	+	+							+	+		+
				140	60	+				+	+	+			+	+	+							+	+		+
				176	80					+	+	+			+	+	+							+	+		+
				212	100					+	+	+			+	+	+							+	+		+
1335	**fatty acids > C6**		TP	68	20	+		**0**	+	+	+	+			+	+	+	-	**0**	-	**0**	+	-	+	+		+
	carboxylic acids > C6		TP	104	40	+		**0**	+	+	+	+			+	+	+							+	+		+
	RCO2H		TP	140	60	+	**0**	**0**	+		+	+			+	+	+							+	+		+
			TP	176	80					+	+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+							+	+		+
1336	**fluorine**	gas	TP	68	20	-	-	-	-	-	+	+							-	-	-	**0**	**0**	**0**			
	F2	gas	TP	104	40		-				+	+															
		gas	TP	140	60		-				+	+															
		gas	TP	176	80		-				+	+															
		gas	TP	212	100						+	+															
1337	**fluoroboric acid**	aq	50%	68	20					+	+	+						-	-		-			+	+		
	tetrafluoroboric acid	aq	50%	104	40					+	+	+												+	+		
	hydrogen tetrafluoroborate	aq	50%	140	60						+	+												+	+		
		aq	50%	176	80						+	+															
	HBF4	aq	50%	212	100						+	+															
1338	**hexafluorosilicic acid**	aq	10%	68	20	+	+	+	+	+	+	+					+	+	**0**	+	**0**	+	+	+	+	+	+
	fluorosilicic acid	aq	10%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
	H2SiF6	aq	10%	140	60			+	+	+	+	+											-	+	+		
	H2F6Si	aq	10%	176	80					+	+	+													+		
		aq	10%	212	100					+	+	+													+		
		aq	30%	68	20	+	+	+	+	+	+	+					+	**0**	-	+	**0**	+	+	+	+	+	+
		aq	30%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	30%	140	60			+	+	+	+	+											-	+	+		
		aq	30%	176	80					+	+	+													+		
		aq	30%	212	100					+	+	+													+		
		aq	35%	68	20	+		+	+	+	+	+					+	-	-	+	**0**	+	+	+	+	+	+
		aq	35%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	35%	140	60			+	+	+	+	+											-	+	+		
		aq	40%	68	20	+		+	+	+	+	+					+	-	-	+	**0**	+	+	+	+	+	+
		aq	40%	104	40	+		+	+	+	+	+					+							+	+	+	+
		aq	40%	140	60			+	+	+	+	+											-	+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1339	**hydrofluoric acid**	aq	10%	68	20	+	+	+	+	+	+	+	-	**0**	-	-	-	-	-	-	-	+	**0**	+	+		-
	HF	aq	10%	104	40	+		+	+	+	+	+										+	**0**	+	+		
		aq	10%	140	60	**0**		+	**0**	+	+	+												+	+		
		aq	10%	176	80		**0**		**0**	+	+	+													+		
		aq	10%	212	100					+	+	+													+		
		aq	40%	68	20	+	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	+	-	+	+		-
		aq	40%	752	400			+	+	+	+	+										+		+	+		
		aq	40%	140	60	-				+	+	+												+	+		
		aq	40%	176	80					+	+	+													+		
		aq	40%	212	100					+	+	+													+		
		aq	50%	68	20	**0**	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	+	-	+	+		-
		aq	50%	104	40	-		+	**0**	+	+	+										+		+	+		
		aq	50%	140	60					+	+	+													+		
		aq	50%	176	80					+	+	+													+		
		aq	60%	68	20	-	-	+	**0**	+	+	+										**0**	-	+	+		-
		aq	60%	104	40			**0**	**0**	+	+	+										**0**		+	+		
		aq	60%	140	60					+	+	+													+		
		aq	70%	68	20	-	-	+	-	+	+	+	-	-	-	-	-	-	-	-	-	**0**	-	**0**	+		-
		aq	70%	104	40					+	+	+										**0**		**0**	+		
		aq	70%	140	60					+	+	+													+		
		aq	15%	68	20	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1340	**Formaldehyde**	aq	15%	104	40	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	methanal	aq	15%	140	60	**0**	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**0**	+	+	+	+
	H2C=O	aq	15%	176	80		-			+	+	+			+	+	+							+	+		
	CH2O	aq	15%	212	100						+	+			+	+	+								+		
		aq	30%	68	20	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	30%	104	40	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	30%	140	60	**0**	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**0**	+	+	+	+
		aq	30%	176	80		-			+	+	+			+	+	+							+	+		
		aq	30%	212	100						+	+			+	+	+								+		
		aq	40%	68	20	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	40%	104	40	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	40%	140	60	**0**	-	+	+	+	+	+			+	+	+		**0**	+	**0**	+	**0**	+	+	+	+
		aq	40%	176	80		-			+	+	+			+	+	+							+	+		
		aq	40%	212	100						+	+			+	+	+								+		
1341	**formamide**		TP	68	20	-		+	+		+	+			+	+	+	+	+	+	+	**0**	+	+	+		+
	formic acid amide		TP	104	40			+	+		+	+			+	+	+	+	+	+	+	**0**	+	+	+		+
			TP	140	60			+	+		+	+			+	+	+	+	-	+	-	**0**	+	+	+		+
	HCONH2		TP	176	80						+	+			+	+	+								+		+
	CH3NO		TP	212	100						+	+			+	+	+								+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1342	**Freon 11 (CFC-11, F-11)**	gas	TP	68	20	+	**0**	-	-	+	+	+						-	+	-	-	**0**	+	-			
	trichlorofluoromethane	gas	TP	104	40		**0**			+	+	+															
	Frigen 11	gas	TP	140	60		**0**			+	+	+															
		gas	TP	176	80		**0**			+	+	+															
	CCl3F	gas	TP	212	100					+	+	+															
1343	**Freon 112 (CFC-112, F-112)**		TP	68	20	+	**0**	-	-	+	+	+		**0**					**0**	**0**							
	1,1,2,2-tetrachloro-1,2-difluoroethane		TP	104	40		**0**			+	+	+															
	CCl2FCCl2F		TP	140	60		**0**				+	+															
	C2Cl4F2		TP	176	80		**0**				+	+															
			TP	212	100						+	+															
1344	**Freon 113 (CFC-113, F-113)**		TP	68	20	+	**0**			+	+	+						-	+	-	+	+	+	-			
	1,2,2-trichloro-1,1,2-trifluoroethane		TP	104	40		**0**			+	+	+															
			TP	140	60		**0**				+	+															
	CClF2CCl2F		TP	176	80		**0**				+	+															
	C2Cl3F3		TP	212	100						+	+															
1345	**Freon 12 (CFC-12, F-12)**	gas	TP	68	20	+	**0**	**0**	**0**	+	+	+	+						**0**	**0**	+	**0**	**0**	+			
	dichlorodifluoromethane	gas	TP	104	40		**0**				+	+	+											+			
	CCl2F2	gas	TP	140	60		**0**				+	+															
		gas	TP	176	80		**0**				+	+															
		gas	TP	212	100						+	+															
1346	**Freon 21 (HCFC-21, F-21)**	gas	TP	68	20	-	**0**	-	-	+	+	+												-			
	dichlorofluoromethane	gas	TP	104	40		**0**			+	+	+															
	CHCl2F	gas	TP	140	60		**0**			+	+	+															
		gas	TP	176	80		**0**			+	+	+															
		gas	TP	212	100					+	+	+															
1347	**Freon 22 (CFC-22, F-22)**	gas	TP	68	20	+	**0**			+	+	+												-			
	chlorodifluoromethane	gas	TP	104	40		**0**			+	+	+															
	CHClF2	gas	TP	140	60		**0**			+	+	+															
		gas	TP	176	80		**0**			+	+	+															
		gas	TP	212	100					+	+	+															
1348	**fruit juices**			68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
				104	40	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
				140	60	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
				176	80				+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	
				212	100					+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	
1349	**D-fructose**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	C6H12O6	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+	**0**	+	+	+	+	+	+	+	+	
		aq	CSC	212	100					+	+	+			+	+	+					+		+	+	+	

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1350	**furan**		TP	68	20	-	-			+	+	+		-	+	+	+	-	-	-	-	-	-	+	+		+
	C4H4O		TP	104	40					-	+	+			+	+	+							+	+		+
1351	**furfural**		TP	68	20	-	-	+	+	-	+	+			+	+	+	-	-	**0**	-	-	**0**	+	+		+
	2-furylaldehyde		TP	104	40			+			+	+			+	+	+							+	+		+
	C5H4O2		TP	140	60			**0**			+	+			+	+	+							+	+		+
			TP	176	80						+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+								+		+
1352	**furfuryl alcohol**		TP	68	20	-	-	+	+	+	+	+	-		+	+	+		-	**0**	**0**	-	**0**	+	+		+
	2-furylmethanol		TP	104	40			+	**0**	+	+	+			+	+	+						**0**	+	+		+
	2-hydroxymethylfuran		TP	140	60			+	**0**	**0**	+	+			+	+	+						**0**	+	+		+
			TP	176	80						+	+			+	+	+						**0**		+		+
	C5H6O2		TP	212	100						+	+			+	+	+								+		+
1353	**Genapol X- 080**		TP	68	20						+	+			+	+	+					+		+	+		+
			TP	104	40						+	+			+	+	+					+		+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
			TP	176	80						+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	176	80						+	+			+	+	+							+	+		+
			TP	212	100						+	+			+	+	+								+		+
1356	**gelatine**			68	20	+		+	+	+	+	+				+		+	+	+	+	+	+				
				104	40	+		+	+	+	+	+				+		+	+	+	+	+	+				
				140	60			+	+	+	+	+															
				176	80					+	+	+															
				212	100						+	+															
1358	**glutamic acid**	aq	DL	68	20	+		+	+	+	+	+					+							+	+	+	+
	2-aminoglutaric acid	aq	DL	104	40			+	+		+	+					+							+	+	+	+
		aq	DL	140	60			+	+		+	+					+							+	+	+	+
	HO2CCH2CH2CH(NH2)CO2H	aq	DL	176	80						+	+					+							+	+		
	C5H9NO4	aq	DL	212	100						+	+					+								+		
1359	**glycolic acid**	aq	37%	68	20	+		+	+	+	+	+	+			**0**	+	+	+	+	+	+	+	+	+		+
	hydroxyacetic acid	aq	37%	104	40	+		+	+	+	+	+	+				+		+	+	+	+	+	+	+		+
		aq	37%	140	60	**0**		+	**0**	+	+	+							+	+	+	+	+	+	+		+
	HOCH2CO2H	aq	37%	176	80					+	+	+												+	+		
	C2H4O3	aq	37%	212	100					**0**	+	+												+	+		
1360	**glycerol**		TP	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	propanetriol		TP	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
			TP	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	HOCH2CH(OH)CH2OH		TP	176	80		+		+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
	C3H8O3		TP	212	100					+	+	+			+	+	+	**0**	+	+	**0**	+	+	+	+		
			TP	248	120						+	+			+	+	+								+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1361	**3-chloro-1,2-propanediol**		TP	68	20	+		+	+	+	+	+			+	+	+	+	-	+	0	0	+		+		+
			TP	104	40	0		+		+	+	+			+	+	+	0		+			0		+		+
	ClCH2CH(OH)CH2OH		TP	140	60			+		+	+	+			+	+	+	0		+					+		+
	C3H7ClO2		TP	176	80					+	+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1362	**uric acid**	aq	CSC	68	20	+		+	+	+	+	+	0		+	+	+	+	+	+	+	+	+	+	+	+	+
	2,6,8-trihydroxypurine	aq	CSC	104	40	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60			+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80					+	+	+					+	+		+			+	+	+		
	C5H4N4O3	aq	CSC	212	100						+	+					+							+	+		
1363	**urea**	aq	DL	68	20	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
	carbonic acid diamide	aq	DL	104	40	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
	carbamide	aq	DL	140	60	-		+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
	H2NCONH2	aq	DL	176	80				+	+	+	+			+	+	+							+	+	+	
	CH4N2O	aq	DL	212	100						+	+			+	+	+							+	+		
		aq	30%	68	20	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
		aq	30%	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	30%	140	60	-	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	30%	176	80		+		+	+	+	+			+	+	+	+		+			+	+	+	+	
		aq	30%	212	100					0	+	+			+	+	+							+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	-	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80				+	+	+	+			+	+	+							+	+	+	
		aq	CSC	212	100						+	+			+	+	+							+	+		
1364	**n-heptane**		TP	68	20	+	+	+	+	+	+	+	+	+	+	+	+	-	+	-	-	+	+	+	+	+	+
	CH3(CH2)5CH3		TP	104	40			0	0	+	+	+	+	+	+	+	+		+	-	-	+	0	+	+	+	+
	C7H16		TP	140	60			0	0	+	+	+		0	+	+	+		+			+	-	+	+	+	+
			TP	176	80					+	+	+		0	+	+	+							+	+		+
			TP	212	100					+	+	+			+	+	+							+	+		+
1365	**n-hexane**		TP	68	20	+		+	+	+	+	+	+	+	+	+	+	-	+	-	-	+	+	+	+	+	+
	CH3(CH2)4CH3		TP	104	40			+	0	+	+	+	+	+	+	+	+		+			+	0	+	+	+	+
	C6H1 4		TP	140	60			0	-	+	+	+		0	+	+	+		+			+	-	+	+	+	+
1366	**1,2,6-hexanetriol**		TP	68	20	+		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	1 ,2,6-trihydroxyhexane		TP	104	40	+		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
			TP	140	60	0		+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	HO(CH2)4CH(OH)CH2OH		TP	176	80						+	+			+	+	+	-	-	0	0	+	+	+	+		+
	C6H14O3		TP	50	10	0		+				+			+	+	+			0	0	+	+	+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1370	**honey**			68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
				104	40	+		+	+	+	+	+			+	+	+					+		+	+	+	+
				140	60			**0**	+		+	+			+	+	+							+	+	+	+
				176	80						+	+			+	+	+							+	+		
				212	100						+	+			+	+	+							+	+		
1371	**hydrazine**		TP	68	20	+	-	+	+	-	+	+															
	diamine		TP	104	40		-	+	+	-	+	+															
			TP	140	60		-	+	+	-	+	+															
	H2NNH2		TP	176	80		-				+	+															
	H4N2		TP	212	100						+	+															
1372	**hydrazine hydrate**	aq	64%	68	20	+		+	+	-	+	+	-						-	+	-	-	+	+			
	hydrazinium hydroxide	aq	64%	104	40			+	+	-	+	+	-							+			+	+			
	H2NNH2 • H2O	aq	64%	140	60			+	+	-	+	+															
	H6N2O	aq	64%	176	80						+	+															
		aq	64%	212	100						+	+															
1373	**hydroquinone**	aq	CSC	68	20	+		+	+	+	+	+		-	+	+	+							+	+	+	+
	1 ,4-dihydroxybenzene	aq	CSC	104	40	+		**0**	+	+	+	+			+	+	+							+	+	+	+
	quinol	aq	CSC	140	60			-		+	+	+			+	+	+							+	+		+
	C6H4-1,4-(OH)2	aq	CSC	176	80					+	+	+			+	+	+							+	+		
	C6H6O2	aq	CSC	212	100					+	+	+			+	+	+								+		
1374	**hydroxylamine sulfate**	aq	DL	68	20	+		+	+		+	+	+			+	+	+	+	+	0	+	+	+	+	+	+
	hydroxylammonium sulfate	aq	DL	104	40	+		+	+		+	+				+	+	+	**0**	+		+	+	+	+	+	+
		aq	DL	140	60			+	+		+	+					+							+	+	+	+
	(H3NOH)2SO4	aq	DL	176	80						+	+												+	+		
	H8N2O6S	aq	DL	212	100						+	+												+	+		
1377	**isooctane**		TP	68	20	+		+	+	+	+	+	-		+	+	+	-	+	-	-	+	**0**	+	+	+	+
	2,2,4-trimethylpentane		TP	104	40			**0**	**0**	+	+	+			+	+	+					+		+	+	+	+
	isobutyltrimethylmethane		TP	140	60			**0**	-	+	+	+			+	+	+							+	+	+	+
	(CH3)2CHCH2C(CH3)3		TP	176	80				-	+	+	+			+	+	+							+	+		+
	C8H18		TP	212	100					+	+	+			+	+	+							+	+		+
1378	**2-propanol**		TP	68	20	+		+	+	+	+	+	-		+	+	+	+	**0**	+	+	+	**0**	+	+	+	+
	Isopropyl alcohol		TP	104	40	+		+	+	+	+	+			+	+	+	+	**0**	+	+	+	**0**	+	+	+	+
	isopropanol		TP	140	60	**0**		+	+	+	+	+		**0**	+	+	+	+	-	+	**0**	+	**0**	+	+		+
	(CH3)2CHOH		TP	176	80					**0**	+	+			+	+	+			**0**		**0**		+	+		+
	C3H8O		TP	212	100						+	+			+	+	+					-		+	+		+
1379	**liquid manure**			68	20			+	+		+	+															
				104	40			+	+		+	+															
				140	60			+	+		+	+															
				176	80						+	+															
				212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1380	**iodine**	gas	HC	68	20	-				+	+	+															
	I2	gas	HC	104	40	-	+				+	+															
		gas	HC	140	60	-	+				+	+															
		gas	HC	176	80						+	+															
		gas	HC	212	100						+	+															
1381	**iodine potassium iodide solution**	aq	3% I2	68	20	**0**		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	-	+
	potassium polyiodide solution	aq	3% I2	104	40	-		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
		aq	3% I2	140	60	-		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
	KxIy	aq	3% I2	176	80					+	+	+												+	+		
	IyKx	aq	3% I2	212	100					+	+	+												+	+		
1382	**iodoform**		TP	68	20	-		**0**	**0**	+	+	+															
	triiodomethane		TP	104	40			-	-	+	+	+															
	CHI3		TP	140	60					+	+	+															
			TP	176	80					+	+	+															
			TP	212	100						+	+															
1383	**hydriodic acid**	aq	DL	68	20	+				+	+	+												+	+	-	+
	HI	aq	DL	104	40	**0**				+	+	+												+	+		+
		aq	DL	140	60					+	+	+												+	+		+
		aq	DL	176	80					+	+	+															
		aq	DL	212	100					+	+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1384	**potash lye**	aq	10%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		+	+	+	+		+
	potassium hydroxide	aq	10%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
	KOH	aq	10%	140	60	+	+	+	+		+	+					+			+			+	+	+		
	HKO	aq	10%	176	80		+		+		+	+					+										
		aq	10%	212	100						+	+															
		aq	15%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		0	+	+	+		+
		aq	15%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	15%	140	60	0	+	+	+		+	+					+			+			+	+	+		
		aq	15%	176	80		+				+	+					+										
		aq	15%	212	100						+	+															
		aq	25%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		0	+	+	+		+
		aq	25%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	25%	140	60	0	+	+	+		+	+					+			+			+	+	+		
		aq	25%	176	80		+				+	+					+										-
		aq	25%	212	100						+	+															
		aq	40%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		0	+	+	+		+
		aq	40%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	40%	140	60	0	+	+	+		+	+					+			+			+	+	+		
		aq	40%	176	80		+				+	+					+										-
		aq	40%	212	100						+	+															
		aq	50%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		-	+	+	+		+
		aq	50%	104	40	+	+	+	+		+	+		+			+			+		-	0	+	+		+
		aq	50%	140	60	0	+	+	+		+	+					+			+			0	+	+		
		aq	50%	176	80		+				+	+					+			0			-				-
		aq	50%	212	100						+	+															
		aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
1385	**potassium nitrate**	aq	10%	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+	0	+	+		+		+
	KNO3	aq	10%	176	80		+		+	+	+	+				+	+								+		
		aq	10%	212	100					+	+	+					+								+		
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+		+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+		+		+
		aq	CSC	176	80		+		+	+	+	+				+	+								+		
		aq	CSC	212	100					+	+	+					+								+		
			TP	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	0	+	+				
			TP	104	40	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+				
			TP	140	60		+	+	+	+	+	+			+	+	+	+	+	+		+	+				
			TP	176	80		+		+	+	+	+				+	+										
			TP	212	100					+	+	+					+										

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1386	**potassium acetate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+				+	+	+	+
	acetic acid potassium salt	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+				+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+			+				+	+	+	+
	CH3CO2K	aq	CSC	176	80		+		+	+	+	+					+			+				+	+		
	C2H3KO2	aq	CSC	212	100					0	+	+					+							+	+		
1387	**potassium hydrogencarbonate**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	potassium bicarbonate	aq	CSC	104	40	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60		+	+	+		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	KHCO3	aq	CSC	176	80		+		+		+	+			+	+	+	+	-		+	+	-	+	+		
	CHKO3	aq	CSC	212	100						+	+			+	+	+	0						+	+		
1388	**potassium dichromate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+		+	+	0	+	+	+	+		+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+		0	+	-	+	+	+	+		+
	K2Cr2O7	aq	CSC	140	60	0	+	+	+	+	+	+		+	+	+	+			+		+	+	+	+		+
	Cr2K2O7	aq	CSC	176	80		+		+	+	+	+			+	+	+							+	+		
		aq	CSC	212	100					+	+	+			+	+	+							+	+		
1389	**potassium hydrogensulfate**	aq	30%	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	potassium bisulfate	aq	30%	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	30%	140	60		+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
	KHSO4	aq	30%	176	80		+		+	+	+	+			+	+	+	+	-		+	+	-	+	+		
	HKO4S	aq	30%	212	100						+	+					+	0						+	+		
1390	**potassium hydrogensulfite**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
	potassium bisulfite	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
		aq	CSC	140	60		+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+		+
	KHSO3	aq	CSC	176	80		+		+		+	+			+	+	+	+	-		+	+		+	+		
	HKO3S	aq	CSC	212	100						+	+					+							+	+		
1391	**potassium hydrogen-L-tartrate**	aq	CSC	68	20	+		+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	tartar	aq	CSC	104	40	+		+	+	+	+	+					+							+	+	+	+
	L(+)-tartaric acid monopotassium salt	aq	CSC	140	60			+	+	+	+	+					+							+	+	+	+
	KO2CCH(OH)CH(OH)CO2H	aq	CSC	176	80					+	+	+												+	+		
	C4H5KO6	aq	CSC	212	100					+	+	+												+	+		
1392	**potassium borate**	aq	DL	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	K3BO3	aq	DL	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	BK3O3	aq	DL	140	60	0	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	DL	176	80		+			+	+	+					+							+	+		
		aq	DL	212	100					+	+	+					+							+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	0	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+		
		aq	CSC	212	100					+	+	+					+							+	+		

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1393	**potassium bromate**	aq	CSC	68	20	+	+	+	+	+	+	+				**0**			+	+	+	+	+	+	+		+
	KBrO3	aq	CSC	104	40	+	+	+	+	+	+	+				**0**			+	+	+	+	+	+	+		+
	BrKO3	aq	CSC	140	60	**0**	+	**0**	**0**	+	+	+				**0**			+	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+							-	+	**0**	+	+	+	+		
		aq	CSC	212	100					+	+	+							-	+	**0**	+	+	+	+		
			TP	68	20	+	+	+	+	+	+	+							+	+	+	+	+	+			
			TP	104	40	+	+	+	+	+	+	+							+	+	+	+	+	+			
			TP	140	60	**0**	+	**0**	**0**	+	+	+							+	+	**0**	+	+	+			
			TP	176	80		+			+	+	+							-	+	**0**	+	+	+			
			TP	212	100					+	+	+								+		+	+	+			
1394	**potassium bromide**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	KBr	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	BrK	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+		**0**	+	+	+	+	+	+		
		aq	CSC	212	100					+	+	+					+			+	**0**	+	+	+	+		
1395	**potassium carbonate**	aq	10%	68	20	+	+	+	+	**0**	+	+		+			+	+	+	+	+	+	+	+	+		+
	potash	aq	10%	104	40	+	+	+	+	-	+	+		+			+			+		**0**	+	+	+		+
	K2CO3	aq	10%	140	60	**0**	+	+	+		+	+		+			+			+		-	+	+	+		+
	CK2O3	aq	10%	176	80		+				+	+					+			+				+	+		
		aq	10%	212	100						+	+					+								+		
		aq	50%	68	20	+	+	+	+	-	+	+		+			+	+	+	+	+	**0**	+	+	+		+
		aq	50%	104	40	+	+	+	+	-	+	+		+			+			+		-	+	+	+		+
		aq	50%	140	60	**0**	+	+	+		+	+					+			+				+	+		+
		aq	50%	176	80		+				+	+					+			+				+	+		
		aq	50%	212	100						+	+					+								+		
		aq	CSC	68	20	+	+	+	+	-	+	+		+			+	+	+	+	+	**0**	+	+	+		+
		aq	CSC	104	40	+	+	+	+	-	+	+		+			+			+		-	+	+	+		+
		aq	CSC	140	60	**0**	+	+	+		+	+					+			+				+	+		+
		aq	CSC	176	80		+				+	+					+			+				+	+		
		aq	CSC	212	100						+	+					+								+		
1396	**potassium chlorate**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	**0**	-	+	**0**	+	+	+	+		+
	KClO3	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+		-	+	**0**	+	+	+	+		+
	ClKO3	aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+			+		+	+	+	+		+
		aq	CSC	176	80		+				+	+					+			+		+		+	+		
		aq	CSC	212	100						+	+										+		+	+		
			TP	68	20	+	+	+	+	+	+	+			+	+	+	**0**	-	+	**0**	+	+	+	+		+
			TP	104	40	+	+	+	+	+	+	+			+	+	+	**0**	-	+	**0**	+	+	+	+		+
			TP	140	60	**0**	+	+	+		+	+			+	+	+	-		+		+	+	+	+		+
			TP	176	80		+				+	+					+			+		+	**0**	+	+		
			TP	212	100						+	+										+		+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1397	**potassium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	KCl	aq	CSC	104	40	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	ClK	aq	CSC	140	60	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+	+	+	+		
		aq	CSC	212	100					+	+	+					+			+		+		+	+		
1398	**potassium chlorite**	aq	CSC	68	20	+	+	+	+	+	+	+					+							+	+		+
	KClO2	aq	CSC	104	40		+	+	+	+	+	+					+							+	+		+
	ClKO2	aq	CSC	140	60		+	+	+	+	+	+					+							+	+		+
		aq	CSC	176	80		+			+	+	+															
		aq	CSC	212	100					+	+	+															
1399	**potassium chromate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+		+	+	+	**0**	+	**0**	+	+	+	+		+
	K2CrO4	aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	**0**	**0**	+	**0**	+	+	+	+		+
	CrK2O4	aq	CSC	140	60	+	+	+	+	+	+	+					+	-	-	+	**0**	+	**0**	+	+		+
		aq	CSC	176	80		+			+	+	+												+	+		
		aq	CSC	212	100					+	+	+												+	+		
			TP	68	20	+	+	+	+	+	+	+				+		+	**0**	+	**0**	+	+	+			
			TP	104	40	+	+	+	+	+	+	+						**0**	**0**	+	**0**	+	+	+			
			TP	140	60	+	+	+	+	+	+	+						-	-	+	**0**	+	**0**	+			
			TP	176	80		+			+	+	+												+			
			TP	212	100					+	+	+															
1401	**potassium cyanide**	aq	CSC	68	20	+	+	+	+	-	+	+		+			+	+	+	+	+	+	+	+	+		+
	KCN	aq	CSC	104	40	+	+	+	+	-	+	+		+			+			+	**0**	**0**	+	+	+		+
	CKN	aq	CSC	140	60	+	+	+	+	-	+	+					+			+		-	+	+	+		+
		aq	CSC	176	80		+				+	+					+			+			+	+	+		
		aq	CSC	212	100						+	+					+			**0**			+		+		
1402	**potassium fluoride**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	KF	aq	CSC	104	40	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	FK	aq	CSC	140	60		+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+	**0**	**0**	+	**0**	+	+	+	+		
		aq	CSC	212	100					**0**	+	+												+	+		
			TP	68	20	+	+	+	+	+	+	+		+				+	+	+	+	+	+	+			
			TP	104	40	+	+	+	+	+	+	+						+	+	+	+	+	+	+			
			TP	140	60		+	+	+	+	+	+						+	+	+	+	+	+	+			
			TP	176	80		+			+	+	+						**0**	**0**	+	**0**	+	+	+			
			TP	212	100					**0**	+	+												+			
1403	**potassium hypochlorite**	aq	13%	68	20	+	+	+		**0**	+	+					+					+		+	+	-	+
	KOCl	aq	13%	104	40		+	+		-	+	+					+					+		+	+	-	+
	ClKO	aq	13%	140	60		+			-	+	+												+	+	-	
		aq	13%	176	80		+			-	+	+												+			
		aq	13%	212	100					-	+	+												+			

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1404	**potassium iodate**	aq	CSC	68	20	+		+	+	+	+	+					+							+	+		+
	KIO3	aq	CSC	104	40	+		+		+	+	+					+							+	+		+
	IKO3	aq	CSC	140	60					+	+	+					+							+	+		+
		aq	CSC	176	80					+	+	+												+	+		
		aq	CSC	212	100					+	+	+												+	+		
1405	**potassium iodide**	aq	CSC	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	KI	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	**0**	**0**	+	**0**	+	+	+	+	+	+
	IK	aq	CSC	140	60	+	+	+	+	+	+	+			+	+	+		-	+	-	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+					+		+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1406	**potassium metaborate**	aq		68	20	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	K3B3O6	aq		104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
	B3K3O6	aq		140	60			+	+	+	+	+		+			+			+		+		+	+	+	+
		aq		176	80					+	+	+					+							+	+		
		aq		212	100					+	+	+					+							+	+		
1407	**potassium nitrite**	aq	CSC	68	20	+		+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	KNO2	aq	CSC	104	40	+		+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+					+	+	**0**	+	-	+	+	+	+	+	+
		aq	CSC	176	80						+	+					+	**0**		**0**		+	+	+	+		
		aq	CSC	212	100						+	+										+	+	+	+		
			TP	68	20	+		+	+	+	+	+						+	+	+	+	+	+	+			
			TP	104	40	+		+	+	+	+	+						+	+	+	+	+	+	+			
			TP	140	60	**0**		+	+	+	+	+						+	**0**	+	-	+	+	+			
			TP	176	80					+	+	+						**0**		**0**		+	-	+			
			TP	212	100					+	+	+										+		+			
1408	**potassium perchlorate**	aq	DL	68	20	+	+	+	+	+	+	+	+			+	+		**0**	+	+	+	+	+	+		+
	KClO4	aq	DL	104	40	+	+	+	+	+	+	+	+			+	+		**0**	+	+	+	+	+	+		+
	ClKO4	aq	DL	140	60	**0**	+		+	+	+	+				+	+		-	+		+	+	+	+		+
		aq	DL	176	80		+				+	+				+	+						+	+	+		
		aq	DL	212	100						+	+												+	+		
		aq	CSC	68	20	+	+	+	+	+	+	+	+		+	+	+		**0**	+	+	+	+	+	+		+
		aq	CSC	104	40	+	+	+	+	+	+	+	+		+	+	+		**0**	+	**0**	+	+	+	+		+
		aq	CSC	140	60	**0**	+	+	+	+	+	+				+	+			+		+	+	+	+		+
		aq	CSC	176	80		+				+	+					+						**0**	+	+		
		aq	CSC	212	100						+	+												+	+		
1409	**potassium permanganate**	aq	6%	68	20	+	+	+	+	+	+	+		+			+		**0**	+		+	+	+	+		+
	potassium manganate(VII)	aq	6%	104	40	+	+	+	+	+	+	+		+			+		-	+		+	+	+	+		+
	KMnO4	aq	6%	1112	600		**0**	**0**	+		+	+					+			+		+	+	+	+		+
		aq	6%	176	80					+	+	+												+	+		
		aq	6%	212	100						+	+												+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1410	**potassium persulfate**	aq	CSC	68	20	+	+	+	+	+	+	+					+		-	+	+	+	+	+	+		+
	potassium peroxodisulfate	aq	CSC	104	40	+		+	+	+	+	+					+		-	+	+	+	+	+	+		+
		aq	CSC	140	60	**0**		+	+	+	+	+					+		-	+	-	+	+	+	+		+
	K2S2O8	aq	CSC	176	80					+	+	+					+			+		+	**0**	+	+		
	K2O8S2	aq	CSC	212	100						+	+										+		+	+		
1411	**potassium dihydrogenphosphate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	KH2PO4	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		**0**	+	**0**	+	+	+	+	+	+
	H2KO4P	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+		-	+	-	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+			+		+	**0**	+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1412	**potassium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	K2SO4	aq	CSC	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	K2O4S	aq	CSC	176	80		+			+	+	+		+			+			+		+		+	+		
		aq	CSC	212	100					+	+	+					+					+		+	+		
1413	**potassium sulfide**	aq	DL	68	20	+	+	+	+	**0**	+	+				+	+	+	+	+	-	-	+	+	+	+	+
	K2S	aq	DL	104	40	+	+	+	+	**0**	+	+				+	+	+	+	+			+	+	+	+	+
		aq	DL	140	60	**0**	+	+	+	**0**	+	+				+	+	+	+	+			+	+	+		+
		aq	DL	176	80		+				+	+				+	+							+	+		
		aq	DL	212	100						+	+					+							+	+		
1414	**potassium sulfite**	aq	CSC	68	20	+	+	+		+	+	+					+					+		+	+	+	+
	K2SO3	aq	CSC	104	40	+	+	+		+	+	+					+					+		+	+	+	+
	K2O3S	aq	CSC	140	60	**0**	+	+		+	+	+					+					+		+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+		
		aq	CSC	212	100						+	+					+							+	+		
1415	**potassium L-tartrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	L-tartaric acid dipotassium salt	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+			+		+		+	+	+	+
	KO2CCH(OH)CH(OH)CO2K	aq	CSC	176	80					+	+	+					+							+	+		
	C4H4K2O6	aq	CSC	212	100					+	+	+					+							+	+		
1417	**(+/-)-borneol**		TP	68	20	-		-	-	+	+	+				+	+	-	-	**0**	**0**	+	**0**				
	C10H18O		TP	104	40					+	+	+															
			TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1420	**sodium hexafluorosilicate**	aq	CSC	68	20	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	
	sodium fluorosilicate	aq	CSC	104	40	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	
	Na2SiF6	aq	CSC	140	60	**0**		+	+	**0**	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	
	F6Na2Si	aq	CSC	176	80					-	+	+													+	+		
		aq	CSC	212	100						+	+													+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1421	**silicic acid**	aq	LC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	orthosilicic acid	aq	LC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	LC	140	60	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
	H4SiO4 = Si(OH)4	aq	LC	176	80		+			+	+	+			+	+	+			+		+	+	+	+	+	
	H4O4Si	aq	LC	212	100					+	+	+			+	+	+			+		+	+	+	+	+	
1423	**carbon dioxide**	gas	HC	68	20	+	+	+	+	+	+	+							+	+	+	+	+				
	CO2	gas	HC	104	40	+	+	+	+	+	+	+							+	+	+	+	+				
		gas	HC	140	60	+	+	+	+	+	+	+		+					+	+	+	+	+				
		gas	HC	176	80		+		+	+	+	+								+		+	+				
		gas	HC	212	100					+	+	+										+					
		gas	HC	248	120					+	+	+															
1424	**carbon monoxide**	gas	HC	68	20	+	+	+	+	+	+	+							+	+	+	+	+				
	CO	gas	HC	104	40	+	+	+	+	+	+	+							+	+	+	+	+				
		gas	HC	140	60	+	+	+	+	+	+	+		+					+	+	+	+	+				
		gas	HC	176	80		+		+	+	+	+								+		+	+				
		gas	HC	212	100					+	+	+										+					
		gas	HC	248	120					+	+	+															
1425	**mixed acid: HCl 27%, HNO3 18%**	aq		68	20	+	+	-	-	**0**	+	+	-	-	-	-	-	-	-			**0**	**0**	+	+	-	
	aqua regia	aq		752	400						+	+													+		
	HCl 27%, HNO3 18%, H2O 55%	aq		140	60						+	+															
		aq		176	80		-				+	+															
		aq		212	100						+	+															
1426	**creosote**			68	20	-	-				+	+		-	+	+	+	-	-	-	-			+	+		+
	guajacol/cresol-mixture			104	40		-				+	+			+	+	+							+	+		+
				140	60		-				+	+			+	+	+							+	+		+
				176	80		-				+	+			+	+	+							+	+		+
				212	100						+	+			+	+	+								+		+
				248	120						+	+			+	+	+										
1427	**cresol (o-, m-, a. p-)**	aq	CSC	68	20	**0**	-	+	+	+	+	+		-	+	+	+	-	**0**	-	-	+	**0**	+	+		+
	methylphenol (o-, m-, a. p-)	aq	CSC	104	40		-	+	+	+	+	+			+	+	+		**0**			+		+	+		+
		aq	CSC	140	60		-		+	+	+	+			+	+	+							+	+		+
	CH3C6H4OH	aq	CSC	176	80		-			**0**	+	+			+	+	+							+	+		
	C7H8O	aq	CSC	212	100						+	+			+	+	+							+	+		
1428	**cresol sulfonic acid**	aq	CSC	68	20	+		+			+	+					+	-	-	-	-	+	-	+	+	+	+
	CH3C6H3(OH)SO3H	aq	CSC	104	40	+					+	+					+					**0**		+	+	+	+
	C7H8O4S	aq	CSC	140	60	+					+	+					+							+	+		+
		aq	CSC	176	80						+	+					+								+		
		aq	CSC	212	100						+	+					+								+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1429	**copper(I) chloride**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+
	CuCl	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	ClCu	aq	CSC	140	60		+	+	+	+	+	+					+		**0**	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+			+		+		+	+	+	
		aq	CSC	212	100						+	+					+							+	+	+	
1431	**copper(II) acetate arsenate(III)**		TP	68	20	+	+				+	+						+	+	+	+	+	+				
	Schweinfurt Green		TP	104	40		+				+	+							+	+	+	+	+				
			TP	140	60		+				+	+							**0**	+	+	+	**0**				
	3Cu(AsO2)2 • Cu(CH3CO2)2		TP	176	80		+				+	+								+		+					
	C4H6As6Cu4O16		TP	212	100						+	+															
1432	**copper(II) carbonate basic**	aq	CSC	68	20	+	+	+	+		+	+		+			+	+	+	+	+	+	+	+	+		+
	copper(II) hydroxide carbonate	aq	CSC	104	40	+	+	+	+		+	+		+			+		+	+	+	+	+	+	+		+
	copper(II) carbonate hydroxide	aq	CSC	140	60		+	+	+		+	+					+		**0**	+	+	+	**0**	+	+		+
	CuCO3 • Cu(OH)2	aq	CSC	176	80		+				+	+					+			+		+		+	+		
	CH2Cu2O5	aq	CSC	212	100						+	+					+							+	+		
1433	**copper(II) chloride**	aq	CSC	68	20	+	+	+	+	+	+	+		+	-	-	+	+	+	+	+	+	+	+	+	+	+
	CuCl2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	Cl2Cu	aq	CSC	140	60	+	+	+	+	+	+	+					+		**0**	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		+			+	+	+								+		+		+	+	+	
		aq	CSC	212	100						+	+												+	+	+	
1434	**copper(I) cyanide**	aq	CSC	68	20	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+		+
	CuCN	aq	CSC	104	40	+	+	+	+	+	+	+					+		+	+	+	+	+	+	+		+
	CCuN	aq	CSC	140	60		+	+	+	+	+	+					+		**0**	+	+	+	**0**	+	+		+
		aq	CSC	176	80		+			+	+	+					+			+		+		+	+		
		aq	CSC	212	100						+	+					+								+		
			TP	68	20		+	+	+	+	+	+						+	+	+	+	+	+	+			
			TP	104	40		+	+	+	+	+	+							+	+	+	+	+	+			
			TP	140	60		+	+	+	+	+	+							**0**	+	+	+	**0**	+			
			TP	176	80		+			+	+	+								+		+		+			
			TP	212	100						+	+															

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1435	**copper(II) nitrate**	aq	30%	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+
	Cu(NO3)2	aq	30%	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+
	CuN2O6	aq	30%	140	60	**0**	+	+	+	+	+	+			+	+	+	+	**0**	+	+	+	**0**	+		+	+
		aq	30%	176	80	-	+			+	+	+			+	+	+	**0**		+		+		+			
		aq	30%	212	100					+	+	+			+	+	+	-						+			
		aq	50%	68	20	+	+	+	+	+	+	+						+	+	+	+	+	+	+		+	+
		aq	50%	104	40	+	+	+	+	+	+	+							+	+	+	+	+	+		+	+
		aq	50%	140	60	**0**	+	+	+	+	+	+							**0**	+	+	+	**0**	+		+	+
		aq	50%	176	80		+			+	+	+								+		+		+			
		aq	50%	212	100						+	+												+			
		aq	CSC	68	20	+	+	+	+	+	+	+						+	+	+	+	+	+	+		+	+
		aq	CSC	104	40	+	+	+	+	+	+	+							+	+	+	+	+	+		+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+							**0**	+	+	+	**0**	+		+	+
		aq	CSC	176	80		+			+	+	+								+		+		+			
		aq	CSC	212	100						+	+												+			
1436	**copper(II) sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
	CuSO4	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+
	CuO4S	aq	CSC	140	60	+	+	+	+	+	+	+			+	+	+		**0**	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		+			+	+	+			+	+	+			+		+		+	+	+	
		aq	CSC	212	100						+	+			+	+	+								+	+	
1437	**copper(II) fluoride**	aq	DL	68	20	+	+	+	+	+	+	+		+	-	-	+	+	+	+	+	+	+	+	+	+	+
	CuF2	aq	DL	104	40	+	+	+	+	+	+	+		+				+	+	+	+	+	+	+	+	+	+
		aq	DL	140	60		+	+	+		+	+						+	**0**	+	+	+	**0**	+	+		+
		aq	DL	176	80		+				+	+								+		+		+	+		
		aq	DL	212	100						+	+												+	+		
1438	**copper tetramine compounds**	aq	DL	68	20	+					+	+					+		+	+	+	+	+	+	+	+	+
		aq	DL	104	40						+	+					+		+	+	+	+	+	+	+	+	+
		aq	DL	140	60						+	+					+		**0**	+	+	+	**0**	+	+		+
		aq	DL	176	80						+	+					+			+		+		+	+		
		aq	DL	212	100						+	+					+							+	+		
1439	**D(+)-lactose**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+			+		+		+	+	+	+
	D(+)-lactobiose	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+			+		+		+	+	+	+
	milk sugar	aq	CSC	140	60	+	+	+	+	+	+	+		+	+	+	+			+		+		+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+							+	+	+	
	C12H22O11	aq	CSC	212	100					+	+	+			+	+	+							+	+	+	
1440	**lanolin**		TP	68	20	+		+	+	+	+	+	+		+	+	+	-	+	0	+	+	0	+	+		+
			TP	104	40	**0**		+	+	+	+	+	+		+	+	+	-	+	-	0	+	-	+	+		+
			TP	140	60	-		**0**	**0**	+	+	+	+		+	+	+	-	+	-	-	+	-	+	+		+
			TP	176	80	-				+	+	+			+	+	+	-	-	-	-	-	-	-	+		+
			TP	212	100	-				+	+	+			+	+	+	-	-	-	-	-	-	-	+		+
			TP	248	120	-				+	+	+			+	+	+	-	-	-	-	-	-	-	+		+

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = d…; aq = …eou…
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1441	**latex**			68	20			+	+		+	+						0	+		+	+					
				104	40			+	+		+	+															
				140	60			+	+		+	+															
				176	80						+	+					+										
				212	100						+	+															
1442	**lauric acid**		TP	68	20					+	+	+															
	dodecanoic acid		TP	104	40					+	+	+															
			TP	140	60					+	+	+															
	CH3(CH2)10CO2H		TP	176	80					+	+	+															
	C12H24O2		TP	212	100					+	+	+															
			TP	248	120					+																	
1443	**lauroyl chloride**		TP	68	20	-				+	+	+												+	+		+
	lauric acid chloride		TP	104	40					+	+	+												+	+		+
	dodecanoyl chloride		TP	140	60					+	+	+													+		+
	CH3(CH2)10COCl		TP	176	80					+	+	+													+		+
	C12H23ClO		TP	212	100					+	+	+													+		+
			TP	248	120					+																	
1444	**lauryl alcohol**		TP	68	20	+				+	+	+			+	+	+			-		+		+	+		+
			TP	104	40	+				+	+	+			+	+	+			-		+		+	+		+
	1-dodecanol		TP	140	60	+				+	+	+			+	+	+							+	+		+
	CH3(CH2)11OH		TP	176	80						+	+			+	+	+							+	+		+
	C12H26O		TP	212	100						+	+			+	+	+							+	+		+
			TP	248	120						+	+			+	+	+								+		
1446	**cod-liver oil**			68	20	+		+	+		+	+			+	+	+			-				+	+		+
	fish liver oil			104	40			+			+	+			+	+	+							+	+		+
				140	60			0			+	+			+	+	+							+	+		+
				176	80						+	+			+	+	+								+		+
				212	100						+	+			+	+	+								+		+
				248	120						+	+			+	+	+								+		+
1447	**light oil**			68	20					+	+	+			+	+	+							+	+		+
				104	40					+	+	+			+	+	+							+	+		+
				140	60					+	+	+			+	+	+							+	+		+
				176	80						+	+			+	+	+								+		+
				212	100						+	+			+	+	+								+		+
				248	120						+	+			+	+	+								+		+
1447	**light petrol**		TP	68	20	+		+	+	+	+	+		+	+	+	+	-	+	-	-	+	-	+	+		+
	petroleum ether		TP	104	40	+		0	0	+	+	+		+	+	+	+	-	0	-	-	+	-	+	+		+
	benzene		TP	140	60	+		-	-	+	+	+			+	+	+	-	-	-	-	0	-	+	+		+
			TP	176	80				-	+	+	+			+	+	+	-	-	-	-	-	-	+	+		+
			TP	212	100					+	+	+			+	+	+	-	-	-	-	-	-	+	+		+
			TP	248	120					+	+	+			+	+	+	-	-	-	-	-	-	+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1450	**linseed oil**		TP	68	20	+	**0**	+	+	+	+	+	+	+	+	+	+	-	+	**0**	**0**	+	+	+	+		+
			TP	104	40	**0**	**0**	+	+	+	+	+	+	+	+	+	+		+	-	-	+	**0**	+	+		+
			TP	140	60	-	**0**	+	+	+	+	+		+	+	+	+		+		-	+	-	+	+		+
			TP	176	80		**0**	-	+	+	+	+			+	+	+				-				+		+
			TP	212	100				+	+	+	+			+	+	+								+		+
			TP	248	120					+					+	+	+								+		+
1451	**lighting gas, benzene-free**			68	20	+		+	+	+	+	+			+	+			+	-	**0**	+	+				
				104	40	+					+	+															
				140	60						+	+															
				176	80						+	+															
				212	100						+	+															
1452	**liqueurs**		H	68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			
			H	104	40	+		+		+	+	+									+						
			H	140	60					+	+	+									+						
			H	176	80					+	+	+									+						
			H	212	100						+	+															
1453	**linoleic acid**		TP	68	20					+	+	+			+	+	+			-				+	+		+
	cis,cis-9,12-octadecadienoic acid		TP	104	40					+	+	+			+	+	+							+	+		+
			TP	140	60					+	+	+			+	+	+							+	+		+
	H3C(CH2)4CH=CHCH2CH=CH(CH2)7CO2H		TP	176	80					+	+	+			+	+	+								+		+
	C18H32O2		TP	212	100					+	+	+			+	+	+								+		+
			TP	248	120					+	+	+			+	+	+								+		+
1455	**lithium bromide**	aq	CSC	68	20	+		+	+	+	+	+	-	+			+			+		+		+	+	+	+
	LiBr BrLi	aq	CSC	104	40	+		+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	140	60			+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	176	80					+	+	+					+					+		+	+		+
		aq	CSC	212	100					+	+	+					+							+	+		
1456	**lithium carbonate**	aq	CSC	68	20	+		+	+	-	+	+	-	+			+			+		**0**		+	+		+
	Li2CO3	aq	CSC	104	40	+		+	+	-	+	+		+			+			+		-		+	+		+
	CLi2O3	aq	CSC	140	60	**0**		+	+	-	+	+					+							+	+		
		aq	CSC	176	80						+	+					+								+		
		aq	CSC	212	100						+	+					+								+		
1457	**lithium chloride**	aq	CSC	68	20	+	+	+	+	+	+	+	-	+			+			+		+		+	+	+	+
	LiCl	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	ClLi	aq	CSC	140	60		+	+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	176	80					+	+	+					+					+		+	+		
		aq	CSC	212	100					+	+	+					+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1459	**lithium hydroxide**	aq	CSC	68	20	+		+	+	-	+	+	-				+			+		-		+	+		-
	LiOH	aq	CSC	104	40	+		+	+	-	+	+					+			+		-		+	+		
	HLiO	aq	CSC	140	60			+	+		+	+					+							+	+		
		aq	CSC	176	80						+	+					+										
		aq	CSC	212	100						+	+															
1460	**lithium sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+	-	+			+			+		+		+	+	+	+
	Li2SO4	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	Li2O4S	aq	CSC	140	60	**0**	+	+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	176	80		+			+	+	+					+					+		+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1461	**air**	gas		68	20	+	+	+	+	+	+	+	+							+	+	+	+	+			
		gas		104	40	+	+	+	+	+	+	+	+							+	+	+	+	+			
		gas		140	60		+	+	+	+	+	+								+	+	+	+	+			
		gas		176	80		+			+	+	+								+	+	+	+	+			
		gas		212	100					+	+	+										+	+	+			
		gas		248	120					+	+	+												+			
1462	**magnesium carbonate basic**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	4MgCO3 • Mg(OH)2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+		+	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+					+			+		+	+	+	+		
		aq	CSC	212	100						+	+					+					+		+	+		
1463	**magnesium chloride**	aq	10%	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	MgCl2	aq	10%	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	Cl2Mg	aq	10%	140	60		+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+					+			+		+	+	+	+	+	
		aq	10%	212	100					+	+	+					+					+		+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+	+	+	+	+	
		aq	CSC	212	100					+	+	+					+					+		+	+	+	
1464	**magnesium fluoride**	aq	CSC	68	20	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	MgF2	aq	CSC	104	40	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	F2Mg	aq	CSC	140	60		+	+	+	+	+	+					+			+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+			+		+		+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1465	**magnesium hydroxide**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+		+	+
	Mg(OH)2	aq	CSC	104	40		+	+	+	+	+	+		+			+	+	+	+	+	+	+	+		+	+
	H2MgO2	aq	CSC	140	60		+	+	+	+	+	+		+			+			+	+	+	+	+		+	+
		aq	CSC	176	80		+			+	+	+					+			+		+		+			
		aq	CSC	212	100					+	+	+					+							+			

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1466	**magnesium nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	Mg(NO3)2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	MgN2O6	aq	CSC	140	60	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+					+			+		+		+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1467	**magnesium oxide**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	MgO	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+			+		+		+	+	+	+
		aq	CSC	176	80		+				+	+					+							+	+		
		aq	CSC	212	100						+	+					+							+	+		
1468	**magnesium sulfate**	aq	10%	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	MgSO4	aq	10%	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	MgO4S	aq	10%	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+					+			+		+		+	+	+	
		aq	10%	212	100					+	+	+					+							+	+	+	
		aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60		+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+		+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1469	**magnesium sulfite**		TP	68	20	+		+	+	+	+	+						+	+	+	+	+	+	+	+	+	+
	MgSO3		TP	104	40	+		+	+	+	+	+						+	+	+	+	+	+	+	+	+	+
	MgO3S		TP	140	60			+	+	+	+	+						+	+	+	+	+	+	+	+		+
			TP	176	80				+	+	+	+								+		+		+	+		
			TP	212	100					+	+	+												+	+		
1470	**maleic acid**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	**0**	-	**0**	-	+	-	+	+		+
	cis-2-butene-1 ,4-dioic acid	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	**0**		-		+		+	+		+
		aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+	**0**				+		+	+		+
	HO2CCH=CHCO2H	aq	CSC	176	80		+			+	+	+			+	+	+	-				-		+	+		
	C4H4O4	aq	CSC	212	100					+	+	+					+							+	+		
1471	**manganese(II) chloride**		TP	68	20	+					+	+						+	+	+	+	+	+				
	MnCl2		TP	104	40						+	+						+	+	+	+	+	+				
	Cl2Mn		TP	140	60						+	+							+	+	+	+	-				
			TP	176	80						+	+							+	+	+	+					
			TP	212	100						+	+								+	+	+					
1472	**manganese dioxide**		TP	68	20	+					+	+						+	+	+	+	+	+				
			TP	104	40						+	+						+	+	+	+	+	+				
			TP	140	60						+	+							+	+	+	+					
			TP	176	80						+	+								+							
			TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1473	**manganese(II) sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+	+	+
	MnSO4	aq	CSC	104	40	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+	+	+
	MnO4S	aq	CSC	140	60		+	+	+	+	+	+							+	+	+	+		+	+	+	+
		aq	CSC	176	80		+			+	+	+								+				+	+		
		aq	CSC	212	100						+	+												+	+		
1474	**marmelade**			68	20	+		+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+		+
				104	40	**0**		+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+		+
				140	60	**0**		+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+		+
				176	80				+	+	+	+					+			+		+		+	+		
				212	100					+	+	+					+							+	+		
1476	**molasses**			68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
				104	40	+		+	+	+	+	+			+	+	+	**0**	+	+	+	+	+	+	+		+
				140	60	**0**	+	+	+	+	+	+			+	+	+	-	+	+	+	+	+	+			+
				176	80					+	+	+			+	+	+		+	+	**0**	+	+	+	+		+
				212	100					+	+	+			+	+	+							+	+		
1477	**methane**	gas	HC	68	20	+		+	+	+	+	+	+		+	+	+	**0**	+	**0**	**0**	+	**0**	+			
	CH4	gas	HC	104	40						+	+	+		+	+	+							+			
		gas	HC	140	60						+	+	+		+	+	+							+			
		gas	HC	176	80						+	+	+		+	+	+							+			
		gas	HC	212	100						+	+	+		+	+	+							+			
1478	**malonic acid**	aq	CSC	392	200			+	+		+	+					+							+	+		+
	propanedioic acid	aq	CSC	104	40			+	+		+	+					+							+	+		+
	methanedicarboxylic acid	aq	CSC	140	60			+	+		+	+					+							+	+		+
	CH2(CO2H)2	aq	CSC	176	80						+	+					+							+	+		
	C3H4O4	aq	CSC	212	100						+	+					+							+	+		
1479	**methanol**		TP	68	20	+		+	+	+	+	+	-	+	+	+	+	+	-	+	+	-	+	+	+		+
	methyl alcohol		TP	104	40	+		+	+	+	+	+		+	+	+	+	+	-	+	+	-	+	+	+		+
			TP	140	60	**0**		+	+	+	+	+			+	+	+	+	-	+	**0**	-	+	+	+		+
	CH3OH																										
	CH4O																										
1480	**methanesulfonic acid**		TP	68	20	**0**		+	**0**	+	+	+	-	-			+							+	+	-	+
	methylsulfuric acid		TP	104	40				-	+	+	+					+							+	+		+
			TP	140	60				-	+	+	+					+							+	+		+
	CH3SO3H		TP	176	80					**0**	+	+															
	CH4O3S		TP	212	100						+	+															
1481	**methyl acetate**		TP	68	20	-	-	+	+	+	+	+	-	-	+	+	+	-	-	-	-	-	-	+	+		+
	acetic acid methyl ester		TP	104	40			**0**	**0**	**0**	+	+			+	+	+							+	+		+
			TP	140	60			-	-	-	+	+			+	+	+							+	+		+
	CH3CO2CH3																										
	C3H6O2																										

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1482	**methylamine**	aq	32%	68	20	**0**	-	+	+	**0**	+	+					+	-	-	+	+		+	+	+	+	+
	aminomethane	aq	32%	104	40		-				+	+					+							+	+		+
		aq	32%	140	60		-				+	+					+							+	+		+
	CH3NH2																										
	CH5N																										
1483	**methylbromide**	gas	TP	20	20			**0**	-	+	+	+						-	-	-	-	+	-	+			
	bromomethane	gas	TP	104	40			-		+	+	+												+			
	CH3Br	gas	TP	140	60			-		+	+	+												+			
		gas	TP	176	80					+	+	+												+			
		gas	TP	212	100					+	+	+															
1484	**methyl chloride**	gas	TP	68	20	-	-	**0**	-	+	+	+						-	-	-	-	-	-	+			
	chloromethane	gas	TP	104	40		-			+	+	+												+			
		gas	TP	140	60		-			+	+	+												+			
		gas	TP	176	80		-			+	+	+												+			
	CH3Cl	gas	TP	212	100					+	+	+															
1485	**methylcyclohexane**		TP	68	20			**0**	-		+	+			+	+	+	-		-	-			+	+		+
	hexahydrotoluene		TP	104	40			**0**			+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	C6H11CH3		TP	176	80						+	+			+	+	+							+	+		+
	C7H14		TP	212	100						+	+			+	+	+							+	+		+
1487	**methyl formate**		TP	68	20	-	-				+	+	-	-	+	+	+							+	+		+
	formic acid methyl ester		TP	104	40		-				+	+			+	+	+							+	+		+
	HCO2CH3																										
	C2H4O2																										
1488	**methyl isobutyl ketone (MIBK)**		TP	68	20	-	-				+	+	-	-	+	+	+					-		+	+		+
	4-methyl-2-pentanone		TP	104	40		-				+	+			+	+	+							+	+		+
	isobutyl methyl ketone		TP	140	60		-				+	+			+	+	+							+	+		+
	(CH3)2CHCH2COCH3		TP	176	80		-				+	+			+	+	+								+		+
	C6H1 2O																										
1489	**methyl methacrylate**		TP	68	20	-	-							-	+	+	+							+	+		+
	methacrylic acid methyl ester		TP	104	40		-								+	+	+							+	+		+
	CH2=C(CH3)CO2CH3		TP	140	60		-								+	+	+							+	+		+
	C5H8O2		TP	176	80		-								+	+	+								+		+
1490	**methyl salicylate**		TP	68	20	-	-	+	+		+	+	-	-	+	+	+							+	+		+
	salicylic acid methyl ester		TP	104	40			+	+		+	+			+	+	+							+	+		+
	2-hydroxybenzoic acid methyl ester		TP	140	60						+	+			+	+	+							+	+		+
	2-(OH)C6H4CO2CH3		TP	176	80						+	+			+	+	+								+		+
	C8H8O3		TP	212	100						+	+			+	+	+								+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1491	**dimethyl sulfate**		TP	68	20	-	-				+	+		-	+	+	+	-	-	-	-	**0**	+	+	+		+
	sulfuric acid dimethyl ester		TP	104	40						+	+			+	+	+						+	+	+		+
			TP	140	60						+	+			+	+	+						**0**	+	+		+
	(CH3O)2SO2		TP	176	80						+	+			+	+	+								+		
	C2H6O4S		TP	212	100						+	+			+	+	+								+		
1492	**milk**			68	20	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				104	40	+		+	+	+	+	+	+	+	+	+	+					+		+	+	+		+
				140	60	+		+	+	+	+	+		+	+	+	+							+	+	+		+
				176	80				+	+	+	+			+	+	+							+	+	+		
				212	100					+	+	+			+	+	+							+	+	+		
1493	**lactic acid**	aq	10%	68	20	+	+	+	+	+	+	+		+	+	+	+	-	-	+	-	+	**0**	+	+	+	+
	2-hydroxypropionic acid	aq	10%	104	40	+	+	+	+	+	+	+		+	+	+	+			+		+	**0**	+	+	+	+
	CH3CH(OH)CO2H	aq	10%	140	60		+	+	+	**0**	+	+			+	+	+			**0**		**0**	**0**	+	+		+
	C3H6O3	aq	10%	176	80		+		+	**0**	+	+								-		**0**		+	+		
		aq	10%	212	100					-	+	+												+	+		
		aq	25%	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	25%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	50%	68	20	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	50%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
		aq	90%	68	20	+	+	+	+	+	+	+			-	+	+	-	-	+	-	+	-	+	+		+
		aq	90%	104	40	**0**		+	+	+	+	+				+	+			+		+		+	+		+
		aq	90%	140	60			+	+		+	+				+	+							+	+		+
		aq	90%	176	80		**0**				+	+												+	+		
		aq	90%	212	100						+	+												+	+		
1494	**mineral oils**			68	20	+	+	+	+	+	+	+	+		+	+	+	-	+	-	**0**	+	**0**	+	+	+	+
				104	40	+		+	+	+	+	+	+		+	+	+		+		-	+	-	+	+	+	+
				140	60	+		**0**	**0**	+	+	+			+	+	+		+			+		+	+	+	+
				176	80					+	+	+			+	+	+								+		+
				212	100				-	+	+	+			+	+	+								+		+
				248	120					+	+	+			+	+	+								+		+
1495	**mixed acid: HNO3 20%, H2SO4 10%**	aq		68	20	+		**0**	-	+	+	+			+	+		-	-	+	**0**	+	+	+	+		+
	HNO3 20%, H2SO4 10%, H2O 70%	aq		104	40	+				+	+	+			+	+				+		+	**0**	+	+		+
		aq		140	60					+	+	+										+		+	+		+
		aq		176	80					+	+	+															
		aq		212	100						+	+															
1496	**mixed acid: HNO3 87%, H2SO4 10%**	aq		68	20	**0**		-	-	**0**	+	+						-	-	-	-	-	-				
	HNO3 87%, H2SO4 10%, H2O 3%	aq		104	40						+	+															
		aq		140	60						+	+															
		aq		176	80						+	+															
		aq		212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1497	**mixed acid: H2SO4 50%, HNO3 33%**	aq		68	20	+		-	-	+	+	+						-	-	0	-	+	0		+		+
	H2SO4 50%, HNO3 33%, H2O 17%	aq		104	40	0					+	+													+		+
		aq		140	60						+	+													+		
		aq		176	80						+	+															
		aq		212	100						+	+															
1498	**mixed acid: H2SO4 50%, HNO3 33%**			68	20	0		-	-	+	+	+						-	-	0	-	-	-				
	H2SO4 50%, HNO3 50%, H2O 0%			104	40	-					+	+															
				140	60						+	+															
				176	80						+	+															
				212	100						+	+															
1499	**mixed acid: H2SO4 18%, HNO3 15%,HF 5%**	aq		68	20	+	+	0	-	+	+	+	-	-	-	-	-	-	-	-	-	-	+	-	+	+		-
	H2SO4 18%, HNO3 15%, HF 5%, H2O 62%	aq		104	40					+	+	+										+		+	+		
		aq		140	60					+	+	+												+	+		
		aq		176	80						+	+													+		
		aq		212	100						+	+													+		
1501	**monochloroacetic acid ethyl ester**		TP	68	20	-	-	+	+		+	+	-	-	+	+	+		-	0	-	0	-	+			+
	chloroacetic acid ethyl ester		TP	104	40			+	+		+	+			+	+	+							+			+
	ethyl chloroacetate		TP	140	60			+	+		+	+			+	+	+							+			+
	ClCH2CO2C2H5		TP	176	80						+	+			+	+	+										+
	C4H7ClO2		TP	212	100						+	+			+	+	+										+
1502	**monochloroacetic acid methyl ester**		TP	68	20	-	-	+	+		+	+	-	-	+	+	+		-	+	-	0	-	+	+		+
	chloroacetic acid methyl ester		TP	104	40			+	+		+	+			+	+	+							+	+		+
	methyl chloroacetate		TP	140	60			+	+		+	+			+	+	+							+	+		+
	ClCH2CO2CH3		TP	176	80						+	+			+	+	+								+		+
	C3H5ClO2		TP	212	100						+	+			+	+	+								+		+
1503	**mixed acid: HNO3 59%, HF 4,5%**	aq		68	20			-	-	+	+	+	-	-	-	-		-	-	-	-			+	+	-	-
	HNO3 59%, HF 4,5%, H2O 36,5%	aq		104	40					+	+	+												+	+		
1504	**morphine**		TP	68	20	+		+			+	+															
	C17H19NO3		TP	104	40						+	+															
			TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1505	**morpholine**		TP	68	20	-	-	+	+	+	+	+	-	-	+	+	+			0			0	+	+		+
	tetrahydro-1,4-oxazine		TP	104	40			+	+	0	+	+		-	+	+	+							+	+		+
	C4H9NO		TP	140	60			+	+		+	+		-	+	+	+							+	+		+
			TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1506	**mixed acid: H2SO4 25%, HNO3 25%, HF 20%**	aq		68	20	+	+	-	-	+	+	+	-	-	-	-	-	-	-			+		+	+		-
	H2SO4 25%, HNO3 25%, HF 10%, H2O 40%	aq		104	40					+	+	+										+		+	+		
		aq		140	60					+	+	+												+	+		
		aq		176	80						+	+													+		
		aq		212	100						+	+													+		
1507	**naphthalene**		TP	68	20	-	-	+	+	+	+	+		-	+	+			+	-	-	+	0				
	C10H8		TP	104	40		-	0	0	+	+	+			+	+			+			+	-				
			TP	140	60	-	0	-	0	+		+			+	+			+			+					
			TP	176	80		-				+	+			+	+											
			TP	212	100						+	+			+	+											
1508	**naphthalene sulfonic acid**		TP	68	20	+		+			+	+						0	0			+					
	C10H7SO3H		TP	104	40						+	+						-	0			+					
	C10H8O3S		TP	140	60						+	+							-			-					
			TP	176	80						+	+															
			TP	212	100						+	+															
1509	**sodium acetate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	0	+	+	+	+
	acetic acid sodium salt	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+		+	+	+	+
	CH3CO2Na	aq	CSC	140	60		+	+	+	+	+	+		+			+	+		+		+		+	+	+	+
	C2H3NaO2	aq	CSC	176	80		+		+	+	+	+					+	0		0		0		+	+		
		aq	CSC	212	100					0	+	+					+							+	+		
1510	**sodium aluminate**	aq	DL	68	20	+	+	+			+	+															+
	Na3[Al3O2(OH)8]	aq	DL	104	40		+				+	+															+
	H8Al3Na3O10	aq	DL	140	60		+				+	+															+
		aq	DL	176	80		+				+	+															+
		aq	DL	212	100						+	+															
1511	**sodium arsenate**	aq	CSC	68	20		+				+	+															+
	Na3AsO4	aq	CSC	104	40						+	+															+
	AsNa3O4	aq	CSC	140	60						+	+															+
		aq	CSC	176	80						+	+															
		aq	CSC	212	100						+	+															

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1512	**sodium arsenite**	aq	CSC	68	20	+		+	+		+	+															
	NaH2AsO3	aq	CSC	104	40						+	+															
	H2AsNaO3	aq	CSC	140	60						+	+															
		aq	CSC	176	80						+	+															
		aq	CSC	212	100						+	+															
1513	**sodium hydrogencarbonate**	aq	CSC	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	sodium bicarbonate	aq	CSC	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
	NaHCO3	aq	CSC	176	80		+		+	**0**	+	+		+			+			+		+		+	+	+	
	CHNaO3	aq	CSC	212	100						+	+					+							+	+		
1514	**sodium dichromate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+		+
	Na2Cr2O7	aq	CSC	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+		+
	Cr2Na2O7	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+			+		+		+	+		+
		aq	CSC	176	80		+			+	+	+					+							+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1515	**sodium hydrogensulfate**	aq	10%	68	20	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
	sodium bisulfate	aq	10%	104	40	+	+	+	+	+	+	+					+		**0**	+	+	+	+	+	+	+	+
		aq	10%	140	60	**0**	+	+	+	+	+	+					+		-	+	**0**	+		+	+	+	+
	NaHSO4	aq	10%	176	80		+			+	+	+					+			**0**		+		+	+		
	HNaO4S	aq	10%	212	100					+	+	+					+					+		+	+		
		aq	50%	68	20	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+	+
		aq	50%	104	40	**0**	+	+	+	+	+	+					+		**0**	+	+	+	+	+	+	+	+
		aq	50%	140	60		+	+	+	+	+	+					+		-	+	**0**	+		+	+	+	+
		aq	50%	176	80		+			+	+	+					+			**0**		+		+	+		
		aq	50%	212	100					+	+	+					+					+		+	+		
1517	**sodium hydrogensulfide**	aq		68	20	+	+	+	+	+	+	+			+	+	+	+	**0**	+	+	**0**	+				
	sodium bisulfide	aq		104	40	**0**	+	+	+	+	+	+			+	+	+			+	+	-	+				
		aq		140	60		+	+	+	+	+	+			+	+	+			+	**0**		+				
	NaSH	aq		176	80		+			+	+	+											**0**				
	HNaS	aq		212	100					+	+	+															
1518	**sodium hydrogensulfite**	aq	10%	68	20	+	+	+	+	+	+	+			+	+	+		-	+	+	**0**	+	+	+		+
	sodium bisulfite	aq	10%	104	40	**0**	+	+	+	+	+	+			+	+	+		-	+	+	-	+	+	+		+
	NaHSO3	aq	10%	140	60	-	+	+	+	+	+	+			+	+	+			+	**0**	-	+	+	+		+
	HNaO3S	aq	10%	176	80		+		+	+	+	+					+			**0**	-		**0**		+		
		aq	10%	212	100					+	+	+													+		
		aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+		-	+	-	-	+	+	+		+
		aq	CSC	104	40	**0**	+	+	+	+	+	+			+	+	+			+	+	-	**0**	+	+		+
		aq	CSC	140	60	-	+	+	+	+	+	+			+	+	+				**0**		+	+	+		+
		aq	CSC	176	80		+		+	+	+	+					+			**0**			**0**		+		
		aq	CSC	212	100				+	+	+	+													+		

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1519	**sodium perborate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+		+
	sodium peroxoborate	aq	CSC	104	40	+	+	+	+	+	+	+	+	+			+	0	0	+	+	0	+	+	+		+
		aq	CSC	140	60	0	+	+	+	+	+	+					+			+	0	-	+	+	+		+
	NaBO3	aq	CSC	176	80		+		+	+	+	+					+			0	-		0		+		
	BNaO3	aq	CSC	212	100					+	+	+					+								+		
1520	**sodium bromate**	aq		68	20	+		+	+		+	+							+	+	+	+	+				
	NaBrO3	aq		752	400			0	0	+	+	+							0	+	+	+	+				
	BrNaO3	aq		140	60					+	+	+							-	+	0	+	+				
		aq		176	80					+	+	+															
		aq		212	100					+	+	+															
1521	**sodium bromide**	aq	10%	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	NaBr	aq	10%	104	40	+	+	+	+	+	+	+		+			+		0	+	+	+	+	+	+	+	+
	BrNa	aq	10%	140	60	0	+	+	+	+	+	+		+			+			+	0	+	0	+	+	+	+
		aq	10%	176	80		+			+	+	+					+					+		+	+	+	
		aq	10%	212	100					+	+	+					+							+	+	+	
		aq	50%	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	50%	104	40	+	+	+	+	+	+	+		+			+		0	+	+	+	+	+	+	+	+
		aq	50%	140	60	0	+	+	+	+	+	+		+			+			+	-	+	-	+	+	+	+
		aq	50%	176	80		+			+	+	+					+							+	+	+	
		aq	50%	212	100					+	+	+					+							+	+	+	
			TP	68	20	+	+	+	+	+	+	+							+	+	+	+	+	+			
			TP	104	40	+	+	+	+	+	+	+							0	+	+	+	+	+			
			TP	140	60		+	+	+	+	+	+								+		+		+			
			TP	176	80		+			+	+	+												+			
			TP	212	100					+	+	+												+			
1522	**sodium carbonate**	aq	10%	68	20	+	+	+	+	0	+	+		+			+		+	+	+	+	+	+	+		+
	soda	aq	10%	104	40	+	+	+	+	-	+	+		+			+			+		0	+	+	+		+
	Na2CO3	aq	10%	140	60	0	+	+	+		+	+		+			+			+		-	+	+	+		+
	CNa2O3	aq	10%	176	80		+		+		+	+					+			+				+	+		
		aq	10%	212	100						+	+					+								+		
		aq	CSC	68	20	+	+	+	+	0	+	+		+			+		+	+	+	+	+	+	+		+
		aq	CSC	104	40	+	+	+	+	-	+	+		+			+			+		0	+	+	+		+
		aq	CSC	140	60	0	+	+	+		+	+					+			+		-	+	+	+		+
		aq	CSC	176	80		+		+		+	+					+			+				+	+		
		aq	CSC	212	100						+	+					+								+		
			TP	68	20	+	+	+	+	0	+	+		+					+	+	+	+	+	+			
			TP	104	40	+	+	+	+	-	+	+		+						+		0	+	+			
			TP	140	60	0	+	+	+		+	+								+		-	+	+			
			TP	176	80		+		+		+	+								+				+			
			TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1524	**sodium chlorate**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	-	+	+	+	+	+	+	+		+
	NaClO3	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+		**0**	+	+	+	+	+	+		+
	ClNaO3	aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+		-	+	**0**	+	+	+	+		+
		aq	CSC	176	80					**0**	+	+			+	+	+			**0**	-	+	**0**	+	+		
		aq	CSC	212	100						+	+								-				+	+		
			TP	68	20	+	+	+	+	+	+	+			+	+	+	-	+	+	+	+	+				
			TP	104	40	+	+	+	+	+	+	+			+	+	+		+	+	+	+	+				
			TP	140	60	**0**	+	+	+	+	+	+			+	+	+		-	+	**0**	+	+				
			TP	176	80					**0**	+	+			+	+	+				-	+					
			TP	212	100						+	+															
1525	**sodium chloride**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
	table salt	aq	10%	104	40	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
	brine	aq	10%	140	60	+	+	+	+	+	+	+		+	-	-	+		+	+	+	+	+	+	+	+	+
	NaCl	aq	10%	176	80		+		+	+	+	+					+			+		+		+	+	+	+
	ClNa	aq	10%	212	100					+	+	+					+							+	+	+	+
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+	-	-	+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+					+							+	+	+	+
1526	**sodium chlorite**	aq	10%	68	20	**0**	+	+	+	+	+	+					+		-	+	**0**	+	+	+	+		+
	NaClO2	aq	10%	104	40		+		+	+	+	+					+			+	-	+	+	+	+		+
	ClNaO2	aq	10%	140	60		+		**0**	+	+	+					+			+		+	+	+	+		+
		aq	10%	176	80		+			+	+	+															
		aq	10%	212	100					**0**	+	+															
		aq	50%	68	20	**0**	+	+	+	+	+	+					+		-	+	-	+	+	+	+		+
		aq	50%	104	40		+				+	+					+							+	+		+
		aq	50%	140	60		+				+	+					+							+	+		+
		aq	50%	176	80		+				+	+															
		aq	50%	212	100						+	+															
1527	**sodium chromate**	aq	DL	68	20	+	+	+	+	+	+	+					+		+	+	+	+	+	+	+		+
	Na2CrO4	aq	DL	104	40	+	+	+	+	+	+	+					+		**0**	+	+	+	+	+	+		+
	CrNa2O4	aq	DL	140	60	**0**	+	+	+	+	+	+					+		-	+	**0**	+	**0**	+	+		+
		aq	DL	176	80		+			+	+	+					+							+	+		
		aq	DL	212	100					+	+	+					+							+	+		
1528	**sodium citrate**	aq	DL	68	20	+	+	+	+	+	+	+	+	+			+			+		+		+	+	+	+
	trisodium citrate	aq	DL	104	40	+	+	+	+	+	+	+		+			+			+		+		+	+	+	+
	citric acid trisodium salt	aq	DL	140	60		+	+	+	+	+	+		+			+							+	+	+	+
	HOC(CO2Na)(CH2CO2Na)2	aq	DL	176	80		+				+	+					+							+	+		
	C6H5Na3O7	aq	DL	212	100						+	+													+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1529	**sodium cyanide**	aq	CSC	68	20	+	+	+	+	-	+	+		+			+	+	+	+	+	+	+	+	+		+
	NaCN	aq	CSC	104	40	+	+	+	+	-	+	+		+			+			+	+	**0**	+	+	+		+
	CNNa	aq	CSC	140	60	+	+	+	+	-	+	+		+			+			+	+	-	+	+	+		+
		aq	CSC	176	80		+		+		+	+					+			+				+	+		
		aq	CSC	212	100						+	+					+								+		
1530	**sodium fluoride**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	NaF	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	FNa	aq	CSC	140	60		+	+	+	+	+	+					+		**0**	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+		
		aq	CSC	212	100					**0**	+	+					+							+	+		
1531	**sodium formate**	aq	CSC	68	20		+	+	+		+	+		+			+			+				+	+		+
	formic acid sodium salt	aq	CSC	104	40		+	+	+		+	+		+			+			+				+	+		+
		aq	CSC	140	60		+	+	+		+	+					+							+	+		+
	HCO2Na	aq	CSC	176	80		+				+	+					+							+	+		
	CHNaO2	aq	CSC	212	100						+	+					+							+	+		
1533	**sodium hypophosphite**	aq	CSC	68	20	+		+	+		+	+					+			+				+	+	+	+
	sodium phosphinate	aq	CSC	104	40	+		+	+		+	+					+			+				+	+	+	+
		aq	CSC	1112	600			+	+		+	+					+							+	+		+
	NaH2PO2	aq	CSC	176	80						+	+					+							+	+		
	H2NaPO2	aq	CSC	212	100						+	+					+							+	+		
1534	**sodium iodide**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	NaI	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	INa	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+		**0**	+	+	+	**0**	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1535	**sodium lactate**	aq	CSC	68	20	+		+	+		+	+					+			+				+	+	+	+
	lactic acid sodium salt	aq	CSC	104	40			+	+		+	+					+			+				+	+	+	+
		aq	CSC	140	60						+	+					+							+	+	+	+
	CH3CH(OH)CO2Na	aq	CSC	176	80						+	+					+							+	+		
	C3H5NaO3	aq	CSC	212	100						+	+					+							+	+		
1536	**sodium nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	NaNO3	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	NNaO3	aq	CSC	140	60	**0**	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+		+			+	+							+	+		
		aq	CSC	212	100					+	+	+		+			+								+	+		
1537	**sodium nitrite**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	NaNO2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+	**0**	+	+	+	+	+	+	+	+
	NNaO2	aq	CSC	140	60		+	+	+	+	+	+		+			+	+	-	+	+	+	+	+	+		+
		aq	CSC	176	80		+			+	+	+		**0**			+					+	**0**	+	+		
		aq	CSC	212	100					+	+	+					+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1538	**sodium perchlorate**	aq	CSC	68	20	+	+	+	+	+	+	+					+	-	**0**	+	**0**	+	+	+	+		+
	NaClO4	aq	CSC	104	40	+	+	+	+	+	+	+					+	-	**0**	+	**0**	+	+	+	+		+
	ClNaO4	aq	CSC	140	60		+	+	+	+	+	+					+	-	**0**	+	**0**	+	+	+	+		+
		aq	CSC	176	80		+				+	+					+	-		+		+		+	+		
		aq	CSC	212	100						+	+												+	+		
1539	**sodium peroxide**	aq	CSC	68	20	+		**0**	**0**	+	+	+												+	+		+
	Na2O2	aq	CSC	104	40	+		-	-	+	+	+												+	+		
	Na2O2	aq	CSC	140	60					+	+	+															
		aq	CSC	176	80					+	+	+															
		aq	CSC	212	100						+	+															
1540	**sodium persulfate**	aq	CSC	68	20	+		+	+	+	+	+					+		-	+	+	+	+	+	+		+
	sodium peroxodisulfate	aq	CSC	104	40	+		+	+	+	+	+					+			+	+	+	+	+	+		+
		aq	CSC	140	60	**0**		+	+	+	+	+					+			+	**0**	+	+	+	+		+
	Na2S2O8	aq	CSC	176	80					+	+	+					+			+		+	**0**	+	+		
	Na2O8S2	aq	CSC	212	100						+	+										+		+	+		
1541	**sodium phosphate**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
	trisodium phosphate	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+		+
	Na3PO4	aq	CSC	176	80		+		+	**0**	+	+		+	+	+	+							+	+		
	Na3O4P	aq	CSC	212	100						+	+		**0**			+							+	+		
1542	**sodium silicates**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
	Na2Si3O7	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		+
	Na2O7Si3	aq	CSC	140	60	**0**	+	+	+	**0**	+	+			+	+	+	+	+	+	+	**0**	+	+	+		+
		aq	CSC	176	80		+			-	+	+					+								+		
		aq	CSC	212	100						+	+					+								+		
1543	**sodium sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Na2SO4	aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Na2O4S	aq	10%	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	176	80		+		+	+	+	+			+	+	+			+		+		+	+	+	+
		aq	10%	212	100					+	+	+			+	+	+							+	+	+	+
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+			+	+	+							+	+	+	+
1544	**sodium sulfide**	aq	CSC	68	20	+	+	+	+	**0**	+	+				+	+	+	+	+			+		+	+	+
	Na2S	aq	CSC	104	40	+	+	+	+	**0**	+	+				+	+	+	+	+			+		+	+	+
		aq	CSC	140	60	**0**	+	+	+	**0**	+	+				+	+	+	+	+			+		+		+
		aq	CSC	176	80		+				+	+				+	+		**0**	+					+		
		aq	CSC	212	100						+	+					+	-	**0**						+		

Abbreviations: **Conditions:** hd = humid; liq = liquid; gaseous = gas; dry = dry; aq = aqueous
Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1545	**sodium sulfite**	aq	CSC	68	20	+	+	+	+	+	+	+					+		+	+	+	+	+	+	+	+	+
	Na2SO3	aq	CSC	104	40	+	+	+	+	+	+	+					+		**0**	+	+	+	+	+	+	+	+
	Na2O3S	aq	CSC	140	60	**0**	+	+	+	+	+	+					+		-	+	**0**	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+							+		+	
		aq	CSC	212	100					+	+	+					+							+		+	
1546	**sodium tetraborate**	aq	CSC	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
	disodium tetraborate	aq	CSC	104	40	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
	borax	aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+	+	+	+	+	+	**0**	+	+	+	+
	Na2B4O7	aq	CSC	176	80		+		+	+	+	+			+	+	+	+		+				+	+		
	B4Na2O7	aq	CSC	212	100					+	+	+			+	+	+							+	+		
1547	**soda lye**	aq	5%	68	20	+	+	+	+	-	+	+		+	**0**	**0**	+			+		+	+	+	+		+
	sodium hydroxide	aq	5%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
	caustic soda	aq	5%	140	60	+	+	+	+		+	+					+			+			+	+	+		
	NaOH	aq	5%	176	80		+		+		+	+					+			+							
	HNaO	aq	5%	212	100						+	+															
		aq	10%	68	20	+	+	+	+	-	+	+		+	**0**	**0**	+			+		+	+	+	+		+
		aq	10%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	10%	140	60	+	+	+	+		+	+					+			+			+	+	+		
		aq	10%	176	80		+		+		+	+					+			+							
		aq	10%	212	100						+	+															
		aq	15%	68	20	+	+	+	+	-	+	+		+	**0**	**0**	+			+		**0**	+	+	+		+
		aq	15%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	15%	140	60	**0**	+	+	+		+	+					+			+				+	+		
		aq	15%	176	80		+		+		+	+					+			+							
		aq	15%	212	100						+	+															
		aq	25%	68	20	+	+	+	+	-	+	+		+	**0**	**0**	+			+		**0**	+	+	+		+
		aq	25%	104	40	+	+	+	+		+	+		+			+			+		-	+	+	+		+
		aq	25%	140	60	**0**	+	+	+		+	+					+			+				+	+		
		aq	25%	176	80		+		+		+	+					+			+							-

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1547	**soda lye**	aq	25%	212	100						+	+															
	sodium hydroxide	aq	30%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		0	+	+	+		+
	caustic soda	aq	30%	104	40	+	+	+	+		+	+		+			+			+		-	0	+	+		+
	NaOH	aq	30%	140	60	0	+	+	+		+	+					+			+			-	+	+		
	HNaO	aq	30%	176	80		+		+		+	+					+										-
		aq	30%	212	100						+	+															
		aq	40%	68	20	+	+	+	+	-	+	+		+	0	0	+			+		0	+	+	+		+
		aq	40%	104	40	+	+	+	+		+	+		+			+			+		-	0	+	+		+
		aq	40%	140	60	0	+	+	+		+	+					+			+			-	+	+		
		aq	40%	176	80		+				+	+					+										-
		aq	40%	212	100						+	+															
		aq	50%	68	20	+	+	+	+	-	+	+		+	0	00+	+			+		-	+	+	+		+
		aq	50%	104	40	+	+	+	+		+	+		+			+			+		-	0	+	+		+
		aq	50%	140	60	0	+	+	+		+	+					+			+			-	+	+		
		aq	50%	176	80		+				+	+					+										-
		aq	50%	212	100						+	+															
1548	**nickel(II) chloride**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	NiCl2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
	Cl2Ni	aq	CSC	140	60	+	+	+	+	+	+	+		+			+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+			+		+		+	+	+	
		aq	CSC	212	100					+	+	+					+							+	+	+	
1549	**nickel(II) nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+
	Ni(NO3)2	aq	CSC	104	40	+	+	+	+	+	+	+		+			+	+		+	+	+	+	+	+	+	+
	N2NiO6	aq	CSC	140	60	0		+	+	+	+	+					+					+		+	+	+	+
		aq	CSC	176	80					+	+	+					+							+	+		
		aq	CSC	212	100					+	+	+					+							+	+		
1550	**nickel(II)**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	NiSO4	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	NiO4S	aq	CSC	140	60	0	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+	0					+	+	+	+	+	+
		aq	CSC	212	100					+	+	+			+	+	+	0						+	+		+
1551	**nickel(II) sulfide**	aq	TP	68	20						+	+							+	+	+	+	+				
	NiS	aq	TP	104	40						+	+							+	+	+	+	+				
		aq	TP	140	60						+	+							+	+	+	+	+				
		aq	TP	176	80						+	+								+		+					
		aq	TP	212	100						+	+										+					
1552	**nickel(II) sulfite**	aq	CSC	68	20			+	+		+	+					+		+	+	+	+	+	+	+		+
	NiSO3	aq	CSC	104	40			+	+		+	+					+		+	+	+	+	+	+	+		+
	NiO3S	aq	CSC	140	60			+	+		+	+					+		+	+	+	+	+	+	+		+
		aq	CSC	176	80						+	+								+		+		+	+		
		aq	CSC	212	100						+	+										+		+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1553	**nickel(II) tartrate**	aq	CSC	68	20			+	+		+	+					+		+	+	+	+	+	+	+		+
	L(+)-tartaric acid nickel salt	aq	CSC	104	40			+	+		+	+					+		+	+	+	+	+	+	+		+
		aq	CSC	140	60			+	+		+	+					+		+	+	+	+	+	+	+		+
	Ni[CO2CH(OH)CH(OH)CO2]	aq	CSC	176	80						+	+								+		+		+	+		
	C4H4NiO6	aq	CSC	212	100						+	+										+		+	+		
1554	**(S)-(-)-nicotine**	aq	DL	68	20			+	+	+	+	+		+		+		**0**	+	+	+	+	+				
	(S)-(-)-1-methyl-2-(3-pyridyl)pyrrolidine	aq	DL	104	40					+	+	+															
	C10H14N2	aq	DL	140	60					+	+	+															
		aq	DL	176	80						+	+															
		aq	DL	212	100						+	+															
1555	**nicotinic acid**	aq	DL	68	20	+		+		+	+	+															
	pyridine-3-carboxylic acid	aq	DL	104	40	+		+		+	+	+															
	niacin	aq	DL	140	60	+				+	+	+															
		aq	DL	176	80					+	+	+															
	C6H5NO2	aq	DL	212	100					+	+	+															
1556	**nitrobenzene**		TP	68	20	-	-	+	+	+	+	+		-	+	+	+		**0**	-	-	**0**	-	+	+		+
	C6H5NO2		TP	104	40	-	**0**	**0**	**0**	+		+			+	+	+	-	-	-	-	-	-		+		+
			TP	140	60			**0**	**0**	-	+	+			+	+	+		-			-			+		+
			TP	176	80		-				+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1557	**nitrobenzoic acid(o-,m- a.p-)**	aq		68	20	+		+	+		+	+															
		aq		104	40						+	+															
		aq		140	60						+	+															
		aq		176	80						+	+															
		aq		212	100						+	+															
1559	**nitroglycol**	aq	DL	68	20	-		-	-	-	+	+				+		**0**	-	+	+	+	+				
	ethylene glycol dinitrate	aq	DL	104	40						+	+															
		aq	DL	140	60						+	+															
	O2NOCH2CH2ONO2	aq	DL	176	80						+	+															
	C2H4N2O6	aq	DL	212	100						+	+															
1560	**nitrophenol (o-, m- a. p-)**	aq	CSC	68	20	-					+	+	+														
	O2NC6H4OH	aq	CSC	104	40						+	+	+														
	C6H5NO3	aq	CSC	140	60						+	+															
		aq	CSC	176	80						+	+															
		aq	CSC	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1562	**nitrotoluene (o-, m- a. p-)**		TP	68	20	-		+	+	+	+	+	+						0	-	-	0	-				
	CH3C6H4NO2		TP	104	40			+	+	+	+	+	+						-			-					
	C7H7NO2		TP	140	60			0	0	+	+	+															
			TP	176	80					+	+	+															
			TP	212	100					0	+	+															
			TP	248	120						+	+															
1563	**fruit pulp**			68	20	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+				
				104	40			+	+	+	+	+															
				140	60			+	+	+	+	+															
				176	80					+	+	+															
				212	100						+	+															
1564	**fruit juice, not fermented**			68	20	+		+	+	+	+	+							+	+	+	+	+				
				104	40			+	+	+	+	+															
				140	60			+	+	+	+	+															
				176	80						+	+															
				212	100						+	+															
1565	**fruit juice, fermented**			68	20	+		+	+	+	+	+							+	+	+	+	+				
				104	40			+	+	+	+	+															
				140	60			+	+	+	+	+															
				176	80						+	+															
				212	100						+	+															
1566	**octane**		TP	68	20					+	+	+			+	+	+	-		-	-	+		+	+		+
	CH3(CH2)6CH3		TP	104	40					+	+	+			+	+	+					+		+	+		+
	C8H18		TP	140	60					+	+	+			+	+	+							+	+		+
			TP	176	80					+	+	+			+	+	+							+	+		+
			TP	212	100					+	+	+			+	+	+							+	+		+
			TP	248	120					+	+	+			+	+	+								+		0
1567	**octyl tolyl ether (o-, m-, a. p-)**		TP	68	20	-		0	0		+	+						-		-		0	-				
	octyloxytoluene (o-, m-, a. p-)		TP	104	40	-		-	-		+	+						-		-			-				
			TP	140	60	-		-	-		+	+						-		-			-				
	H3CC6H4OCH2(CH2)6CH3		TP	176	80						+	+															
	C15H24O		TP	212	100						+	+															
			TP	248	120						+	+															
1569	**oil (vegetable + animal)**			68	20	+		+	+	+	+	+							+	-	0	+	0				
				104	40	+		+	+	+	+	+							+	-	0	+	0				
				140	60	+		0	0	+	+	+							+	-	-	+	-				
				176	80					+	+	+															
				212	100					+	+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1570	**oleum**		10% SO3	68	20	-		-	-	-	+	+							-	-	-	-	-				
			10% SO3	104	40						+	+															
			10% SO3	140	60						+	+															
			10% SO3	176	80						+	+															
			10% SO3	212	100						+	+															
1571	**oleum vapors**	gas	LC	68	20	+		-	-	+	+	+							-	**0**	-	+	**0**				
	SO3	gas	LC	104	40			-	-		+	+							-		-						
	O3S	gas	LC	140	60			-	-		+	+							-		-						
		gas	LC	176	80			-	-		+	+							-		-						
		gas	LC	212	100			-	-		+	+							-		-						
		gas	LC	248	120			-	-										-		-						
		gas	HC	68	20	-		-	-	+	+	+							-	**0**	-	+	**0**				
		gas	HC	104	40						+	+															
		gas	HC	140	60						+	+															
		gas	HC	176	80						+	+															
		gas	HC	212	100						+	+															
		gas	HC	248	120						+	+															
1572	**olive oil**			68	20	+	**0**	+	+	+					+	+		-	+	-	+	+	+	+	+		+
				104	40	+	**0**	+	+	+					+	+		-	+	-	+	+	+	+	+		+
				140	60	+	**0**	**0**	**0**	+					+	+		-	+	-	+	+	**0**	+	+		+
				176	80		**0**		**0**	+					+	+		-		-		+	-	+	+		+
				212	100										+	+		-		-			-	+	+		+
1573	**oleic acid**		TP	68	20	+		+	+	+	+	+		+					**0**	-	-	+	-				
	cis-9-octadecenoic acid		TP	104	40	+		+	+	+	+	+		+					-	-	-	**0**	-				
			TP	140	60	+		**0**	**0**	+	+	+		+					-	-	-	-	-				
	CH3(CH2)7CH=CH(CH2)7CO2H		TP	176	80			-	-	+	+	+							-	-	-	-	-				
	C18H34O2		TP	212	100			-	-	+	+	+							-	-	-	-	-				
			TP	248	120			-	-	+	+	+							-	-	-	-	-				

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1574	phosphoric acid	aq	10%	68	20	+	+	+	+	+	+	+	0	+	+	+	+		0	+	+	+	+	+	+		+
	orthophosphoric acid	aq	10%	104	40	+	+	+	+	+	+	+	-	+	+	+	+			+				+++			+
	H3PO4	aq	10%	140	60	0	+	+	+	+	+	+		+	+	+	+			+		+	+	+	+		+
	H3O4P	aq	10%	176	80		+		+	+	+	+			+	+	+			+		+		+	+		+
		aq	10%	212	100					+	+	+			+	+	+					+		+	+		
		aq	30%	68	20	+	+	+	+	+	+	+	0	+	+	+	+		0	+	+	+	+	+	+		+
		aq	30%	104	40	+	+	+	+	+	+	+	-	+	0	+	+			+		+	+	+	+		+
		aq	30%	140	60	0	+	+	+	+	+	+		+	-	0	+			+		+	+	+	+		+
		aq	30%	176	80		+		+	+	+	+								+		+		+	+		+
		aq	30%	212	100					+	+	+										+		+	+		
		aq	50%	68	20	+	+	+	+	+	+	+	-	+	+	+	+		-	+	+	+	+	+	+		+
		aq	50%	104	40	+	+	+	+	+	+	+		+	0	+	+			+		+	+	+	+		+
		aq	50%	140	60	0	+	+	+	+	+	+			-	0	+			+		+	+	+	+		+
		aq	50%	176	80		+			+	+	+								0		+		+	+		+
		aq	50%	212	100					+	+	+										0		+	+		
		aq	60%	68	20	+	+	+	+	+	+	+	-	+	+	+	+		-	+	+	+	+	+	+		+
		aq	60%	104	40	+	+	+	+	+	+	+		+	0	+	+			+		+	+	+	+		+
		aq	60%	140	60		0+	+	+	+	+	+			-	0	+			+		+	+	+	+		+
		aq	60%	176	80		+			+	+	+								0		+		+	+		+
		aq	60%	212	100					+	+	+										0		+	+		
		aq	85%	68	20	+	+	+	+	+	+	+	-				+		-	0	0	+	+	+	+		+
		aq	85%	104	40	+	+	+	+	+	+	+					+			0		+	+	+	+		+
		aq	85%	140	60	0	+	0	0	+	+	+				-	-	+		0		+	+	+	+		+
		aq	85%	176	80		+			+	+	+								0		+		+	+		+
		aq	85%	212	100					+	+	+										0		+	+		
		aq	85%	248	120						+	+															
		aq	95%	68	20	+	+	+	+	+	+	+	-				+		-	0	0	+	+	+	+		+
		aq	95%	104	40	+	+	+	0	+	+	+					+			0		+	+	+	+		+
		aq	95%	140	60		+		-	+	+	+			-	-	+			0		+	+	+	+		+
		aq	95%	176	80		+			+	+	+										+		+	+		
		aq	95%	212	100					+	+	+										0		+	+		
		aq	95%	248	120						+	+															
1575	**oxalic acid**	aq	10%	68	20	+	+	+	+	+	+	+			+	+	+	+	0	+	+	+	+	+	+	+	+
	ethanedioic acid	aq	10%	104	40	+	+	+	+	+	+	+			0	+	+	+	-	+	0	+	0	+	+	+	+
		aq	10%	140	60	+	+	+	+	0	+	+		0	0	0	-	-	-	-				+	+	+	
	HO2CCO2H	aq	10%	176	80		0		0	-	+	+			-	0	-	-	-				-	+	+		
	C2H2O4	aq	10%	212	100					-	+	+			-	-	-	-	-				-	+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1576	**ozone**	gas	2%in Luft	68	20	+		**0**	**0**	+	+	+		+		+			-	+	**0**	+	+				
	trioxygen	gas	2%in Luft	104	40	+		-	-	+	+	+				+			-	+	-	**0**	**0**				
		gas	2%in Luft	140	60			-	-	**0**	+	+				+			-	+							
		gas	2%in Luft	176	80			-	-		+	+															
	O3	gas	2%in Luft	212	100			-	-		+	+															
		aq	CSC	68	20	+		**0**	**0**	+	+	+							-	+	**0**	+	+				
		aq	CSC	104	40	+		-	-	+	+	+								**0**	-	-	+				
		aq	CSC	140	60					+	+	+								-	-	-	**0**				
		aq	CSC	176	80					**0**	+	+								-	-	-	-				
		aq	CSC	212	100						+	+								-	-	-	-				
1578	**palmitic acid**		TP	68	20	+		**0**	**0**	+	+	+		+					**0**	**0**	+	+	**0**				
	hexadecanoic acid		TP	104	40				**0**	+	+	+						-	-	-	**0**	-					
	cetylic acid		TP	140	60				-	+	+	+										-					
	CH3(CH2)14CO2H		TP	176	80					+	+	+															
	C16H32O2		TP	212	100					+	+	+															
			TP	248	120					+																	
1579	**palm kernel oil**			68	20	+	**0**	+	+	+	+	+		+	+	+	+		+	+	+	+	**0**				
	palm seed oil			104	40	-	**0**	+	+	+	+	+			+	+	+		+	**0**	**0**	+	-				
				140	60		**0**	**0**	**0**	+	+	+			+	+	+		**0**	-	-	+					
				176	80		**0**			+	+	+															
				212	100					+	+	+															
1580	**paraffins**			68	20	+	+	+	+	+	+	+		+	+	+	+		+	-	+	+	**0**				
				104	40	**0**		+	+	+	+	+			+	+	+		+		**0**	+	-				
				140	60	**0**		+	**0**	+	+	+			+	+	+		**0**		-	+					
				176	80					+	+	+															
				212	100					+	+	+															
				248	120					+																	
1582	**p-toluenesulfonic acid**	aq	10%	68	20	+		+	+	+	+	+					+	-	**0**	+	**0**	+	**0**	+	+	+	+
	4-methylbenzenesulfonic acid	aq	10%	104	40	+		+	+	+	+	+					+			+		+		+	+	+	+
	CH3C6H4SO3H	aq	10%	140	60					+	+	+					+					+		+	+	+	+
	C7H8O3S	aq	10%	176	80						+	+					+							+	+		+
		aq	10%	212	100						+	+					+							+	+		
		aq	50%	68	20	+		+	+	+	+	+					+	-	-			+		+	+	+	+
		aq	50%	104	40			+	+	+	+	+					+					+		+	+	+	+
		aq	50%	140	60					+	+	+					+							+	+		+
		aq	50%	176	80						+	+					+							+	+		+
		aq	50%	212	100						+	+					+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1583	**pentanol (mixture of isomers)**		TP	68	20	+		+	+	+	+	+	-	+	+	+	+	**0**	+	+	+	**0**	**0**	+	+		+
	amyl alcohol (mixture of isomers)		TP	104	40	+		+	+	+	+	+		**0**	+	+	+	**0**	+	+	+			+	+		+
			TP	140	60	**0**		+	+	+	+	+		**0**	+	+	+	**0**	+	+	+			+	+		+
			TP	176	80					+	+	+			+	+	+	-						+	+		+
	C5H12O		TP	212	100					+	+	+			+	+	+	-						+	+		+
			TP	248	120					**0**	+	+			+	+	+								+		+
1584	**perchloroethane**		TP	68	20	-		**0**	**0**	+	+	+															
	hexachloroethane		TP	104	40					+	+	+															
			TP	140	60					+	+	+															
	Cl3CCCl3		TP	176	80						+	+															
	C2Cl6		TP	212	100						+	+															
1585	**perchloric acid**	aq	10%	68	20	+	+	+	+	+	+	+	-	-		**0**			-	**0**	-		**0**	+		-	+
	$HClO_4$	aq	10%	104	40	+		+	+	+	+	+								-				+		-	+
		aq	10%	140	60	**0**		+	+	+	+	+												+			+
		aq	10%	176	80					+	+	+															
		aq	10%	212	100					+	+	+															
		aq	70%	68	20	**0**		**0**	**0**	+	+	+	-	-		**0**			-	**0**	-		**0**	+		-	+
		aq	70%	104	40	-		-	-	+	+	+								-				+		-	+
		aq	70%	140	60			-		+	+	+															+
		aq	70%	176	80					+	+	+															
		aq	70%	212	100					+	+	+															
		aq	70%	248	120						+	+															
1586	**kerosene**		TP	68	20	+		+	+	+	+	+	+		+	+	+	-	+	-	**0**	+	-	+	+		+
			TP	104	40			+	**0**	+	+	+			+	+	+		+		-	+		+	+		+
			TP	140	60			**0**	**0**	+	+	+			+	+	+		+			**0**		+	+		+
			TP	176	80					+	+	+			+	+	+							+	+		+
			TP	212	100					+	+	+			+	+	+							+	+		+
			TP	248	120					+	+	+			+	+	+								+		+
1588	**phenol**	aq	10%	68	20	+	-	+	+	+	+	+		-	+	+	+	-	-	+	**0**	+	**0**	+	+		+
	hydroxybenzene	aq	10%	104	40	**0**	-	+	+	+	+	+			+	+	+			+	-	+	-	+	+		+
	C_6H_5OH	aq	10%	140	60	**0**	-	**0**	+	+	+	+			+	+	+			+		+		+	+		+
	C_6H_6O	aq	10%	176	80		-			+	+	+			+	+	+			**0**		**0**		+	+		
		aq	10%	212	100					+	+	+			+	+	+							+	+		
		aq	90%	68	20	-	-	+	+	+	+	+			+	+	+	-	-	-	-	+	-	+	+		+
		aq	90%	104	40	-	-	+	+	+	+	+			+	+	+					**0**		+	+		+
		aq	90%	140	60	-	-	**0**	**0**	+	+	+			+	+	+					-		+	+		+
		aq	90%	176	80		-			+	+	+			+	+	+							+	+		
		aq	90%	212	100					+	+	+			+	+	+							+	+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1590	**phenylhydrazine**		TP	68	20	-	-	**0**	**0**	+	+	+						-	-	**0**	-	+	-				
	C6H5NHNH2		TP	104	40		-			+	+	+										+					
	C6H8N2		TP	140	60		-				+	+										**0**					
			TP	176	80		-				+	+															
			TP	212	100						+	+															
1591	**phosgene**	gas	HC	68	20	+		**0**	**0**	**0**	+	+						-	+	+	+	+	+				
	carbonyl dichloride	gas	HC	104	40	**0**		**0**	**0**	**0**	+	+							+	+	**0**	+	**0**				
	carbonic acid dichloride	gas	HC	140	60	**0**		**0**			+	+							+	+	-	**0**					
	COCl2	gas	HC	176	80						+	+															
	CCl2O	gas	HC	212	100						+	+															
		gas	HC	248	120						+	+															
1594	**phosphine**	gas	TP	68	20	+				+	+	+		**0**		+		+	-	+	+	+	+				
	phosphane	gas	TP	104	40	+				+	+	+															
	PH3	gas	TP	140	60						+	+															
	H3P	gas	TP	176	80						+	+															
		gas	TP	212	100						+	+															
1595	**phosphorus(III) chloride**		TP	68	20	-	-	+	+	+	+	+		-				+	-		-	**0**					
	phosphorus trichloride		TP	104	40		-	**0**	**0**	+	+	+															
			TP	140	60		-	**0**	**0**	+	+	+															
	PCl3		TP	176	80		-			**0**	+	+															
	Cl3P		TP	212	100					**0**	+	+															
1596	**phosphorus(V) oxide**		TP	68	20	+		+	+	+	+	+							**0**	+	+	+	+				
	phosphorus pentoxide		TP	104	40	+		+		+	+	+							-	+	+	+	+				
			TP	140	60					+	+	+								+	+	+	+				
	P4O10		TP	176	80					+	+	+															
	O10P4		TP	212	100					+	+	+															
1597	**phosphoryl chloride**		TP	68	20	-		+	+	+	+	+															
	phosphoroxy chloride		TP	104	40			+		+	+	+															
	phosphoric acid trichloride		TP	140	60			**0**		+	+	+															
	POCl3		TP	176	80						+	+															
	Cl3OP		TP	212	100						+	+															
1598	**phthalic acid**	aq	CSC	68	20	+		+	+	+	+	+		+			+	-	-	+	**0**	-	+		+	+	+
	benzene-1 ,2-dicarboxylic acid	aq	CSC	104	40	**0**		+	+	+	+	+					+	-		+	**0**		+		+	+	+
		aq	CSC	140	60	-		+	+	+	+	+					+	-			**0**				+	+	+
	C6H4(CO2H)2	aq	CSC	176	80					+	+	+					+								+		
	C8H6O4	aq	CSC	212	100					+	+	+					+								+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1599	**phthalic acid monopentyl ester**		TP	68	20	-	-	+	+		+	+		-	+	+	+							+	+		+
	monopentyl phthalate		TP	104	40						+	+			+	+	+							+	+		+
	Monoamyl phthalate		TP	140	60						+	+			+	+	+							+	+		+
	2-(HO2C)C6H4CO2CH2(CH2)3CH3		TP	176	80						+	+			+	+	+								+		+
	C13H16O4		TP	212	100						+	+			+	+	+								+		+
1600	**phthalic acid monobutyl ester**		TP	68	20	-	-	+	+		+	+		-	+	+	+							+	+		+
	monobytyl phthalate		TP	104	40			+			+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+							+	+		+
	2-(HO2C)C6H4CO2CH2(CH2)2CH3		TP	176	80						+	+			+	+	+								+		+
	C12H14O4		TP	212	100						+	+			+	+	+								+		+
1601	**picric acid**	aq	DL	68	20	+	-	+	+	+	+	+			+	+	+	+	+	+	0	+	+				
	2,4,6-trinitrophenol	aq	DL	104	40		-	+		+	+	+							-	+	-	+	0				
		aq	DL	140	60		-			+	+	+								0		+	-				
	C6H2(NO2)3OH	aq	DL	176	80		-			+	+	+															
	C6H3N3O7	aq	DL	212	100					+	+	+															
		aq	CSC	68	20	+	-	+	+	+	+	+			+	+	+	0	0	0	+	+	0				
		aq	CSC	104	40		-	+		+	+	+								-	-	+	-				
		aq	CSC	140	60		-			+	+	+										0					
		aq	CSC	176	80		-				+	+															
		aq	CSC	212	100						+	+															
		aq	CSC	176	80		-				+	+															
		aq	CSC	212	100						+	+															
1603	**polyaluminum chloride**	aq	10%	68	20	+		+	+	+	+	+	+	+	-	0	+	+	+	+	+	+	+	+	+	+	+	+
	PAC	aq	10%	104	40	+		+	+	+	+	+	+	+		-	+	+	+	+	+	+	+	+	+	+	+	+
	Aln(OH)xCl3n-x	aq	10%	140	60	+		+	+	+	+	+	0	0			+			+	+	+	+	+	+	+	+	+
	HxAlnCl3n-xOx	aq	10%	176	80				+	+	+	+					+			+		+	+	+	+		+	+
		aq	10%	212	100					+	+	+					+					+	+	+	+		+	+
		aq	CSC	68	20	+		+	+	+	+	+			-	-	+	-	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+					+		+	+	+	+	+	+	+	+	+	+
		aq	CSC	140	60	+		+	+	+	+	+					+			+	+	+	+	+	+	+	+	+
		aq	CSC	176	80				+	+	+	+					+			+		+	+	+	+		+	+
		aq	CSC	212	100					+	+	+					+					+	+	+	+		+	+
1604	**polyethylene glycol**		TP	68	20			+	+	+	+						+			+		+		+	+		+
	polyglycol, PEG		TP	104	40			+	+	+	+						+			+		+		+	+		+
	Carbowax		TP	140	60			+	+	+	+						+							+	+		+
	HO(CH2CH2O)nH		TP	176	80					+	+						+								+		+
	C2H4O		TP	212	100					+	+						+								+		+
			TP	248	120																						
1605	**propane**	gas	HC	68	20	+		+	+	+	+	+		+					+	-	+	+	-				
	CH3CH2CH3	gas	HC	104	40			+		+	+	+		+													
	C3H8	gas	HC	140	60					+	+	+		+													
		gas	HC	176	80					+	+	+															
		gas	HC	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1606	**1-propanol**		TP	68	20	+	**0**	+	+	+	+	+	-		+	+	+	+	**0**	+	+	+	**0**	+	+		+
	propyl alcohol		TP	104	40	**0**	**0**	+	+	+	+	+			+	+	+	+	**0**	+	+	+	**0**	+	+		+
	CH3CH2CH2OH		TP	140	60	**0**	**0**	+	+	+	+	+			+	+	+	+	-	+	**0**	+	**0**	+	+		+
	C3H8O		TP	176	80		**0**			**0**	+	+			+	+	+			**0**		**0**			+		+
			TP	212	100						+	+			+	+	+					-			+		+
1607	**propargyl alcohol**	aq	10%	68	20	+		+	+	+	+	+			+	+	+		+	+	+	+	+		+		+
	2-propin-1-ol	aq	10%	104	40	+		+	+	**0**	+	+			+	+	+		+	+	+	+	+		+		+
	ethinylcarbinol	aq	10%	140	60	+		+	+	**0**	+	+			+	+	+		+	+	**0**	+	**0**		+		+
	HCCCH2OH	aq	10%	176	80						+	+			+	+	+								+		
	C3H4O	aq	10%	212	100						+	+			+	+	+								+		
1608	**propionic acid**	aq	50%	68	20	+	-	+	+	+	+	+		+		+	+	**0**	-	+	**0**	+	**0**		+		+
	propanoic acid	aq	50%	104	40	+	-	+	+	+	+	+				+	+			+	-	+	-		+		+
	methylacetic acid	aq	50%	140	60	**0**	-	+	+	+	+	+				+	+			+		**0**			+		+
	CH3CH2CO2H	aq	50%	176	80		-				+	+					+								+		
	C3H6O2	aq	50%	212	100						+	+					+								+		
			TP	68	20	+	-	+	+	+	+	+				+	+	-	-	+	-	+	-	+	+		+
			TP	104	40	**0**	-	**0**	**0**	+	+	+					+			+		+			+		+
			TP	140	60		-	**0**	**0**	+	+	+					+			**0**		+			+		+
			TP	176	80		-				+	+					+					**0**			+		
			TP	212	100						+	+					+								+		
1609	**1,2-propanediol**		TP	68	20		**0**	+	+		+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+		+
	propylene glycol		TP	104	40		**0**	+	+		+	+		+	+	+	+	+	**0**	+	+	+	+	+	+		+
	CH3CH(OH)CH2OH		TP	140	60		**0**	+	+		+	+		+	+	+	+	+	-	+	+	**0**	+	+	+		+
	C3H8O2		TP	176	80		**0**				+	+			+	+	+								+		
			TP	212	100						+	+			+	+	+								+		
			TP	248	120						+	+			+	+	+								+		
1610	**propylene oxide**		TP	68	20	**0**	-	+	+	-	+	+							-	+	-	-	-				
	1,2-epoxypropane																										
	propene oxide																										
	C3H6O																										
1611	**pyridine**		TP	68	20	-	-	+	**0**	+	+	+	-	**0**			+		-	+	-	-	**0**	+	+		+
	C5H5N		TP	104	40	-	**0**	**0**	**0**	+		+					+			**0**	-	-	+		+		+
			TP	140	60	-	**0**	**0**	-	+		+					+			-					+		+
			TP	176	80		-				+	+					+								+		
			TP	212	100						+	+					+								+		
1612	**mercury**		TP	68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+
	Hg		TP	104	40	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+
			TP	140	60	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+
			TP	176	80		+			+	+	+										+		+			+
			TP	212	100					+	+	+												+			+
			TP	248	120					+	+	+												+			+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1613	**murcury(II) sulfate**	aq	CSC	68	20	+	+	+	+	+	+	+		+			+					+		+	+		+
	HgSO4	aq	CSC	104	40	+	+	+	+	+	+	+		+			+					+		+	+		+
	HgO4S	aq	CSC	140	60		+	+	+	+	+	+		+			+							+	+		+
		aq	CSC	176	80		+			+	+	+					+								+		
		aq	CSC	212	100					+	+	+															
1614	**mercury(II) chloride**	aq	DL	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+		+	+	+	+	+	+
	HgCl2	aq	DL	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+		+	+	+	+	+	+
	Cl2Hg	aq	DL	140	60	**0**	+	+	+	+	+	+			+	+	+			+		+	+	+	+	+	+
		aq	DL	176	80		+			+	+	+					+								+		
		aq	DL	212	100						+	+					+								+		
		aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+		+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+		+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+			+	+	+			+		+	+	+	+	+	+
		aq	CSC	176	80		+			+	+	+					+								+		
		aq	CSC	212	100						+	+					+								+		
1615	**mercury(II) cyanide**	aq	DL	68	20	+	+	+	+	**0**	+	+					-			+		+		+	+		+
	Hg(CN)2	aq	DL	104	40	+	+	+	+		+	+					-			+		**0**		+	+		+
	C2HgN2	aq	DL	140	60	**0**	+	+	+		+	+					-							+	+		+
		aq	DL	176	80		+				+	+					-								+		
		aq	DL	212	100						+	+					-								+		
		aq	CSC	68	20	+	+	+	+	-	+	+					-			+		**0**		+	+		+
		aq	CSC	104	40	+	+	+	+		+	+					-			+		-		+	+		+
		aq	CSC	140	60	**0**	+	+	+		+	+					-							+	+		+
		aq	CSC	176	80		+				+	+					-								+		
		aq	CSC	212	100						+	+					-								+		
1616	**mercury(II) nitrate**	aq	25%	68	20	+	+	+	+	+	+	+					+			+		+		+	+	+	+
	Hg(NO3)2	aq	25%	104	40	+	+	+	+	+	+	+					+			+		+		+	+	+	+
	HgN2O6	aq	25%	140	60	**0**	+	+	+	+	+	+					+							+	+	+	+
		aq	25%	176	80		+			+	+	+					+								+		
		aq	25%	212	100					+	+	+					+								+		
		aq	CSC	68	20	+	+	+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+					+							+	+	+	+
		aq	CSC	176	80		+			+	+	+					+								+		
		aq	CSC	212	100					+	+	+					+								+		
1619	**roasting gases, dry**	gas	LC	68	20	+		+	+		+	+		+				+	-	+	+	+	+				
	SO2	gas	LC	104	40	+		+	+		+	+						+		+	+	+	+				
	O2S	gas	LC	140	60	+		+	+		+	+						+		+	+	+	+				
		gas	LC	176	80						+	+						-		+	+	+					
		gas	LC	212	100						+	+															
		gas	LC	248	120						+	+															

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1620	**salicylic acid**	aq	CSC	68	20	+		+	+	+	+	+					+	+	+		+	+		+	+	+	+
	2-hydroxybenzoic acid	aq	CSC	104	40	+		+	+	+	+	+					+	+	+		+	+		+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+					+	+	**0**		+	+		+	+	+	+
	HOC6H4CO2H	aq	CSC	176	80					+	+	+					+	-	-		-	+		+	+		
	C7H6O3	aq	CSC	212	100					**0**	+	+					+								+		
1621	**nitric acid**	aq	10%	68	20	+	+	+	+	+	+	+	-	+			+	-	-	+	-	+	+	+	+	+	+
	HNO3	aq	10%	104	40	+	+	+	**0**	+	+	+		+			+			+		+		+	+	+	+
		aq	10%	140	60	**0**	+		-	+	+	+					+					**0**			+		+
		aq	10%	176	80		+			+	+	+					+					-			+		+
		aq	10%	212	100					+	+	+					+								+		
		aq	30%	68	20	+	+	**0**	**0**	+	+	+	-	+			+			+	-	+		+	+	+	+
		aq	30%	104	40	+		**0**	-	+	+	+		**0**			+			**0**		-		+	+	+	+
		aq	30%	140	60	**0**				+	+	+					+								+		+
		aq	30%	176	80		**0**			+	+	+					+										+
		aq	30%	212	100					+	+	+					+										
		aq	50%	68	20	+	+	**0**	-	+	+	+		**0**			+			-	-	+		+	+	+	+
		aq	50%	104	40	+		-		+	+	+		-			+					-		+	+	**0**	+
		aq	50%	140	60	**0**				+	+	+					+								+		+
		aq	50%	176	80		-				+	+					+										+
		aq	65%	68	20	**0**	+	-	-	+	+	+	-	-			+			-	-	-	-	+	+	**0**	+
		aq	65%	104	40	**0**				+	+	+					+							+	+	-	+
		aq	70%	68	20	**0**	+	-	-	+	+	+	-	-			+		-	-	-	-	-	+	+	**0**	+
		aq	70%	104	40	-				+	+	+					+							+	+	-	+
		aq	98%	68	20	-	+	-	-	**0**	+	+	-	-					-	-	-	-	-			-	
		aq	98%	104	40					-	+	+															
1622	**nitrous acid**	aq	DL	68	20					+	+	+	-						**0**	+	**0**	+	+				
	HNO2	aq	DL	104	40					+	+	+							-	+	-	+	**0**				
		aq	DL	140	60					+	+	+										+	-				
		aq	DL	176	80					+	+	+															
		aq	DL	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1623	**hydrochloric acid**	aq	5%	68	20	+	+	+	+	+	+	+	**0**	+	-	-	+		**0**	+	**0**	+	+	+	+	+	+
	HCl	aq	5%	104	40	+	+	+	+	+	+	+		+			+		-	+	-	+	**0**	+	+	+	+
		aq	5%	140	60	**0**	+	+	+	+	+	+					+			+		+	-	+	+	+	+
		aq	5%	176	80		+		**0**	+	+	+					+			+				+	+	+	+
		aq	5%	212	100					+	+	+															
		aq	10%	68	20	+	+	+	+	+	+	+	**0**	+	-	-	+		**0**	+	**0**	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+		+			+		-	+	-	+	**0**	+	+	+	+
		aq	10%	140	60	**0**	+	+	**0**	+	+	+					+			+		**0**	-	+	+	+	+
		aq	10%	176	80		+		**0**	+	+	+					+								+	+	+
		aq	10%	212	100					+	+	+															
		aq	20%	68	20	+	+	+	+	+	+	+	-	+	-	-	+		-	+		+	+	+	+	+	+
		aq	20%	104	40	+	+	+	+	+	+	+					+			+		**0**		+	+	+	+
		aq	20%	140	60	**0**	+	+	**0**	+	+	+					+					-			+	+	+
		aq	20%	176	80		+		**0**	+	+	+					+								+	+	+
		aq	20%	212	100						+	+															
		aq	30%	68	20	+	+	+	+	+	+	+	-	+	-	-	+		-	+	-	+	+	+	+	+	+
		aq	30%	104	40	+	+	+	+	+	+	+					+			+		**0**	**0**	+	+	+	+
		aq	30%	140	60	**0**	+	**0**	**0**	+	+	+					+					-	-		+	+	+
		aq	30%	176	80		+		-	+	+	+					+			-					+		
		aq	37%	68	20	+	+	+	+	+	+	+	-		-	-	+		-	+	-	+		+	+	+	+
		aq	37%	104	40	+		+	+	+	+	+					+					-		+	+	+	+
1624	**brine**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+	+
	NaCl	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	**0**	**0**	+	+	+	+	+	+	+	+	+	+	+
	ClNa	aq	CSC	140	60	+	+	+	+	+	+	+		+	-	-	+		+	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+					+							+	+	+	+
1625	**oxygen**	gas	HC	68	20	+	+	+	+	+	+	+		+					-	+	+	+	+				
	O2	gas	HC	104	40	+	+	+	**0**	+	+	+		+						+	+	+	+				
		gas	HC	140	60	+	+	**0**	**0**	+	+	+		+						+	+	+	+				
		gas	HC	176	80		+			**0**	+	+								+	+	+	+				
		gas	HC	212	100					**0**	+	+										+	+				
		gas	HC	248	120						+	+										+					
1627	**soap**			68	20	+		+	+	+	+	+					+		+	+	+	+	+	+	+	+	+
	soft soap			104	40	+		+	+	+	+	+					+		+	+	+	+	+	+	+	+	+
				140	60	**0**		+	+	+	+	+					+		+	+	+	+	+	+	+	+	+
				176	80					+	+	+					+							+	+		
				212	100					+	+	+					+							+	+		
1628	**sulfur**		TP	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	S8		TP	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
			TP	140	60			+	+	+	+	+			+	+	+			+		+	+	+				
			TP	176	80				+	+	+	+			+	+	+					+	+	+				
			TP	212	100					+	+	+			+	+	+					+	+	+				

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1629	sulfur dioxide, gaseous	gas,dry	HC	68	20	+		+	+	0	+	+		0		+	+		-	+	-	+	0				
		gas,hd	HC	68	20	+		+	+	+	+	+		+		+	+		-	+	-	+	0				
		gas,dry	HC	104	40	+		+	+	0	+	+				+	+			+		0	-				
		gas,hd	HC	104	40	+		+	+	0	+	+								+							
		gas,dry	HC	140	60					-	+	+				+	+			0							
		gas,hd	HC	140	60	0		+	+	-	+	+								0							
		gas,dry	HC	176	80						+	+															
		gas,hd	HC	176	80						+	+															
		gas,dry	HC	212	100						+	+															
		gas,hd	HC	212	100						+	+															
		gas,dry	HC	248	120						+	+															
		gas,hd	HC	248	120						+	+															
1632	sulfuric acid	aq	5%	68	20	+	+	+	+	+	+	+	+	0	-	-	+		0	+	0	+	+	+	+	+	+
		aq	5%	104	40	+	+	+	+	+	+	+		0			+		-	+	-	+	+	+	+	+	+
		aq	5%	140	60	0	+	+	+	+	+	+					+			+		+	0	+	+		+
		aq	5%	176	80		+		+	+	+	+								0		+	0	+	+		+
		aq	5%	212	100					+	+	+								-			-	+	+		
		aq	10%	68	20	+	+	+	+	+	+	+		0	-	-	+		0	+	0	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+		0			+		-	+	-	+	+	+	+	+	+
		aq	10%	140	60	0	+	+	+	+	+	+					+			+		+	0	+	+		+
		aq	10%	176	80		+		+	+	+	+								0		+	0	+	+		+
		aq	10%	212	100					+	+	+								-			-	+	+		
		aq	20%	68	20	+	+	+	+	+	+	+		0	-	-	+		-	+	0	+	+	+	+	+	+
		aq	20%	104	40	+	+	+	+	+	+	+		0			+			+	-	+	+	+	+	+	+
		aq	20%	140	60	0	+	+	+	+	+	+					+			+		+	0	+	+		+
		aq	20%	176	80		+		+	+	+	+								0		+	0	+	+		+
		aq	20%	203	95					+	+	+								-		+	-	+	+		
		aq	40%	68	20	+	+	+	+	+	+	+	-	0	-	-	+		0	+	0	+	+	+	+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1632	**sulfuric acid**	aq	40%	104	40	+	+	+	+	+	+	+		**0**			+		-	+	-	+	+	+	+	+	+
		aq	40%	140	60	**0**	+	+	+	+	+	+					+			+		+	**0**	+	+		+
		aq	40%	176	80		+		+	+	+	+								**0**		+	**0**	+	+		+
		aq	40%	212	100					+	+	+								-			-	+			
		aq	50%	68	20	+	+	+	+	+	+	+	-	**0**	-	-	+		-	+	-	+	+	+	+	+	+
		aq	50%	104	40	+	+	+	+	+	+	+		**0**			+			+		+	**0**	+	+	+	+
		aq	50%	140	60	**0**	+	+	+	+	+	+					+			**0**		+	**0**	+	+		+
		aq	50%	176	80		+		+	+	+	+								-		+	-	+	+		+
		aq	50%	212	100					+	+	+												+			
		aq	60%	68	20	+	+	+	+	+	+	+	-	**0**	-	-	+		-	+	-	+	+	+	+		+
		aq	60%	104	40	+	+	+	+	+	+	+		**0**			+			+		+	**0**	+	+		+
		aq	60%	140	60	**0**	+	+	+	+	+	+					+					+	**0**	+	+		+
		aq	60%	176	80		+		+	+	+	+										+	-	+	+		+
		aq	60%	212	100					+	+	+												+			
		aq	70%	68	20	+	+	+	+	+	+	+	-	**0**	-	-	+			+		+		+	+		+
		aq	70%	104	40	+	+	+	+	+	+	+					+			+		+	**0**	+	+		+
		aq	70%	140	60		+			+	+	+					+							+	+		+
		aq	70%	176	80		+			+	+	+												+	+		+
		aq	70%	212	100						+	+												+			
		aq	80%	68	20	+	+	+	+	+	+	+	-	**0**	-	-	+		-	+	-	+	+	+	+		+
		aq	80%	104	40	+	+	+	+	+	+	+					+			**0**		+	**0**	+	+		+
		aq	80%	140	60	-	+	**0**	**0**	+	+	+					+			-		**0**	-	+	+		+
		aq	80%	176	80		+			+	+	+										-		+	+		+
		aq	80%	212	100					**0**	+	+												+			
		aq	96%	68	20	**0**	**0**	-	-	+	+	+	-	-	-	-	+	-	-	-	**0**		-	+	+	-	+
		aq	96%	104	40	-	-			+	+	+					+					-		+	+		+
		aq	96%	140	60					**0**	+	+					+								+		+
		aq	96%	176	80					-	+	+													+		+
		aq	96%	212	100						+	+															
		aq	98%	68	20	-	-	-	-	+	+	+	-	-			+	-	-	-	-	-	-	+	+	-	+
		aq	98%	104	40					+	+	+					+							+	+		+
		aq	98%	140	60					-	+	+			-	-	+							**0**	+		+
		aq	98%	176	80						+	+												-	+		+
		aq	98%	212	100						+	+															
1634	**sulfur trioxide**	gas	HC	68	20	-		-	-	**0**	+	+							-	-	-	-	-	+			
	sulfuric acid anhydride	gas	HC	104	40						+	+												+			
	SO3	gas	HC	140	60						+	+												+			
	O3S	gas	HC	176	80						+	+															
		gas	HC	212	100						+	+															
		gas	HC	248	120						+	+															

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1635	**hydrogen sulfide**	gas	HC	68	20	+	+	+	+	+	+	+		**0**				**0**	-	+	**0**	-	+	+			
	H2S	gas	HC	104	40	+	+	+	+	+	+	+							-	**0**	-	-	**0**	+			
		gas	HC	140	60	+	+	**0**	+	+	+	+							-	-		-	**0**	+			
		gas	HC	176	80		+			+	+	+										-	-	+			
		gas	HC	212	100					+	+	+												+			
		gas	HC	248	120						+	+															
		aq	CSC	68	20	+	+	+	+	+	+	+						**0**	-	+	**0**	-	+				
		aq	CSC	104	40	+	+	+	+	+	+	+							-	**0**	-	-	+				
		aq	CSC	140	60	**0**	+	+	+	+	+	+								-		-	**0**				
		aq	CSC	176	80		+			+	+	+										-	-				
		aq	CSC	212	100					+	+	+										-					
1636	**sulfurous acid**	aq	CSC	68	20	+		+	+	+	+	+	-				+	-	-	+	-	+	**0**	+	+	+	+
	sulfur dioxide, aqueous solution	aq	CSC	104	40	+		+	+	+	+	+					+			**0**		+	**0**	+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+					+			-		**0**	-	+	+	+	+
	SO3 • xH2O ("H2SO3")	aq	CSC	176	80					+	+	+					+					-			+		
	O3S ("H2O3S")	aq	CSC	212	100					+	+	+					+								+		
1637	**soap hydrous solution**			68	20	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+				
				104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+				
				140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+				
				176	80		+			+	+	+															
				212	100					+	+	+															
1638	**silver acetate**	aq	CSC	68	20	+		+	+	+	+	+						+	+	+	+	+	+				
	CH3CO2Ag	aq	CSC	104	40	+		+	+	+	+	+							+	+	+	+	+				
	C2H3AgO2	aq	CSC	140	60	**0**		+	+	+	+	+							+	+	+	+	+				
		aq	CSC	176	80					+	+	+															
		aq	CSC	212	100					+	+	+															
1639	**silver chloride**	aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+	+	+	+
	AgCl	aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+	+	+	+
		aq	CSC	140	60	+	+	+	+	+	+	+		+	+	+	+			+	+	+		+	+	+	+
		aq	CSC	176	80		+		+	+	+	+					+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+					+					+		+	+	+	
1640	**silver cyanide**	aq	CSC	68	20	+	+	+	+	+	+	+						+	+	+	+	+	+				
	AgCN	aq	CSC	104	40	+	+	+	+	+	+	+							+	+	+	+	+				
	CAgN	aq	CSC	140	60	**0**	+	+	+	+	+	+							+	+	+	+	+				
		aq	CSC	176	80		+			+	+	+															
		aq	CSC	212	100						+	+															
1641	**silver nitrate**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+				
	AgNO3	aq	CSC	104	40	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+				
		aq	CSC	140	60	-	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+				
		aq	CSC	176	80		+			+	+	+			+	+	+	-									
		aq	CSC	212	100					+	+	+			+	+	+										

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1642	**silver sulfate**	aq	CSC	68	20		+				+	+										+		+	+	+	+
		aq	CSC	104	40		+				+	+										+		+	+	+	+
		aq	CSC	140	60		+				+	+										+		+	+	+	+
		aq	CSC	176	80		+				+	+										+		+	+	+	+
		aq	CSC	212	100						+	+													+		
1643	**silicone oil**		TP	68	20	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
	polydimethylsiloxane		TP	104	40			+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	+	+	+
			TP	140	60			+	+	+	+	+			+	+	+		+	+	+	+	+	+	+	+	+
	HO[Si(CH3)2O)]nH		TP	176	80				+	+	+	+			+	+	+							+	+	+	+
	C2H6OSi		TP	212	100				+	+	+	+			+	+	+							+	+		+
			TP	248	120					+	+	+												+	+		+
1644	**sperm oil**			68	20	+		+	+	+	+	+				+		-	+	**0**	+	+	**0**				
				104	40						+	+															
				140	60						+	+															
				176	80						+	+															
				212	100						+	+															
				32																							
1646	**spin bath acid with carbon disulfide**		100mgCS2/L	68	20	+		+	+	+	+	+		**0**				+	-	+	-	+	**0**				
			100mgCS2/L	104	40	+		+	+	+	+	+						+									
			100mgCS2/L	140	60	+		-	**0**		+	+															
			100mgCS2/L	176	80						+	+															
			100mgCS2/L	212	100						+	+															
			200mgCS2/L	68	20	**0**		+	+	+	+	+						+	-	+	-	+	**0**				
			200mgCS2/L	104	40	**0**				+	+	+						+		+		+	**0**				
			200mgCS2/L	140	60						+	+															
			200mgCS2/L	176	80						+	+															
			200mgCS2/L	212	100						+	+															
			700mgCS2/L	68	20	-		+	+	+	+	+						+	-	**0**	-	+	-				
			700mgCS2/L	104	40					+	+	+						+		**0**		+					
			700mgCS2/L	140	60						+	+															
			700mgCS2/L	176	80						+	+															
			700mgCS2/L	212	100						+	+															
1649	**starch solution**			68	20	+	+	+	+	+	+	+			+	+			+	+	+	+	+				
				104	40	+	+	+	+	+	+	+		+	+	+			+	+	+	+	+				
				140	60	+	+	+	+	+	+	+		+	+	+			+	+	+	+	+				
				176	80		+			+	+	+			+	+											
				212	100					+	+	+			+	+											
				248	120						+	+			+	+											

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1650	**starch syrup**		H	68	20	+		+	+	+	+	+				+		+	+	+	+	+	+				
			H	104	40	+		+	+	+	+	+				+		+	+	+	+	+	+				
			H	140	60	+		+	+	+	+	+		+		+		+	+	+	+	+	+				
			H	176	80					+	+	+						+	+	+	+	+	+				
			H	212	100					+	+	+							+	+	+	+	+				
1652	**stearic acid**		TP	68	20	+	+	+	+	+	+	+		-	+	+	+	-	+	+	+	+	0				
			TP	104	40	+		+	+	+	+	+			+	+	+		+	+	+	+	0				
			TP	140	60	+		0	0	+	+	+			+	+	+		0	0	0	0	-				
			TP	176	80					+	+	+				+	+										
			TP	212	100					+	+	+															
			TP	248	120					+																	
1653	**stearic acid butyl ester**		TP	68	20			+	+	+	+	+			+	+	+		+	+	+	+	0				
	butylstearate		TP	104	40			+	+	+	+	+			+	+	+		+	+	+	+	0				
	octadecanoic acid butyl ester		TP	140	60			0	0	+	+	+			+	+	+		0	0	0	0	-				
	CH3(CH2)16CO2CH2(CH2)2CH3		TP	176	80					+	+	+			+	+	+										
	C22H44O2		TP	212	100					+	+	+			+	+	+										
			TP	248	120						+	+			+	+	+										
1655	**strontium chloride**	aq	CSC	68	20		+				+	+								+		+		+	+		+
	SrCl2	aq	CSC	104	40		+				+	+								+		+		+	+		+
	Cl2Sr	aq	CSC	140	60		+				+	+								+		+		+	+		+
		aq	CSC	176	80		+				+	+								+		+		+	+		+
		aq	CSC	212	100						+	+												+	+		
1656	**styrene**		TP	68	20	-	-	0	0	-	+	+		-										+			
	vinylbenzene		TP	104	40	-	-	-	0	-	+	+												+			
	phenylethylene		TP	140	60		-		-		+	+															
	C6H5CH=CH2		TP	176	80		-				+	+															
	C8H8		TP	212	100						+	+															
1657	**sulfamic acid**	aq	CSC	68	20		+				+	+													+		+
	aminosulfuric acid	aq	CSC	104	40		+				+	+													+		+
	amidosulfuric acid	aq	CSC	140	60		+				+	+													+		+
	H2NSO3H	aq	CSC	176	80		+				+	+													+		+
	H3NO3S	aq	CSC	212	100						+	+													+		
1658	**SurTec 104 universal cleaner**	aq	8%	68	20	+		+	+	+	+				+	+	+			+	+			+	+		+
		aq	8%	104	40	+		+	+	+	+				+	+	+			+	+			+	+		+
		aq	8%	140	60	+		+	+	+	+				+	+	+			0	+			+	+		+
		aq	8%	176	80					+	+				+	+	+							+	+		+
		aq	8%	212	100					+	+				+	+	+							+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1659	**nitrogen**	gas	HC	68	20	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
	N2	gas	HC	104	40	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
		gas	HC	140	60	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
		gas	HC	176	80		+		+	+	+	+		+	+	+	+		+	+		+	+	+			
		gas	HC	212	100					+	+	+		+	+	+	+			+		+		+			
		gas	HC	248	120					+	+	+			+	+	+					+		+			
1660	**Tanigan® extra A**			68	20	+					+	+		-				+	+	+	+	+	+			
				104	40						+	+						+	+	+	+	+	+			
				140	60						+	+														
				176	80						+	+														
				212	100						+	+														
1661	**Tanigan® extra B**			68	20	+					+	+		-				**0**	+	+	+	+	+			
				104	40						+	+						-	+	+	+	+	+			
				140	60						+	+														
				176	80						+	+														
				212	100						+	+														
1663	**Tanigan® F**			68	20	+					+	+						-	+	+	+	+	+			
				104	40	+					+	+							+	+	+	+	+			
				140	60	+					+	+														
				176	80						+	+														
				212	100						+	+														
1664	**Tanigan® U**			68	20						+	+						-	+	+	+	+	+			
				104	40						+	+							+	+	+	+	+			
				140	60						+	+														
				176	80						+	+														
				212	100						+	+														
1665	**tannin**	aq	CSC	68	20	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+			
	tannic acid	aq	CSC	104	40	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+			
	gallotannic acid	aq	CSC	140	60	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+			
		aq	CSC	176	80					+	+	+														
		aq	CSC	212	100					+	+	+														
1666	**turpentine**		TP	68	20	+	-	**0**	-	+	+	+							+	-	-	+	-			
			TP	104	40	**0**	-	**0**			+	+							+			+				
			TP	140	60			**0**			+	+							+			+				
			TP	176	80		-				+	+														
			TP	212	100						+	+														

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1667	**turpentine benzene**		TP	68	20	+		-	-	+	+	+			+	+	+	-	+	-	-	+	-				
			TP	104	40	+					+	+			+	+	+		+			+					
			TP	140	60						+	+					+		+			+					
			TP	176	80						+	+															
			TP	212	100						+	+															
1668	**oil of turpentine**		TP	68	20	+		0	-	+	+	+		0	+	+	+	-	+	-	-	+	-				
			TP	104	40	0		0			+	+			+	+	+		+			+					
			TP	140	60			0			+	+					+		+			+					
			TP	176	80						+	+															
			TP	212	100					+	+	+															
1669	**tetrabromomethane**		TP	68	20	-		-	-	+	+	+						-	-	-	-	-	-				
	carbon tetrabromide		TP	104	40	0					+	+															
	CBr4		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1670	**1,1,2,2-tetrachloroethane**		TP	68	20	-	-	0	0	0	+	+		-				-	-	-	-	-	-	+			
	acetylene tetrachloride		TP	104	40		-			0	+	+		-										+			
	TCE		TP	140	60		-			0	+	+		-													
	CHCl2CHCl2		TP	176	80		-				+	+															
	C2H2Cl4		TP	212	100						+	+															
1671	**tetrachloroethylene**		TP	68	20	-	-	0	0	+	+	+				-		-	0	-	-	0	-	+			
	tetrachloroethene		TP	104	40		-	0		+	+	+							-			0		+			
	perchloroethene		TP	140	60		-	-	0	+	+	+										0		+			
	Cl2C=CCl2		TP	176	80		-			0	+	+												+			
	C2Cl4		TP	212	100					0	+	+												+			
			TP	68	20																						
			TP	104	40																						
			TP	140	60																						
			TP	176	80																						
			TP	212	100																						
1672	**tetrachloromethane**		TP	68	20	0	-	-	-	+	+	+	+	0		+	+	+	-	-	-	+		0			
	carbon tetrachloride		TP	104	40	-	-			+	+	+	+				+	+				+		0			
	CCl4		TP	140	60		-			0	+	+					+	+				+					
			TP	176	80		-				+	+															
			TP	212	100						+	+															

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Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1673	**tetraethyllead**		TP	68	20	+		+	+	+	+	+				+		-	0	0	-	+	-				
	lead tetraethyl		TP	104	40					+	+	+						-									
	TEL		TP	140	60					+	+	+															
	(C2H5)4Pb		TP	176	80					+	+	+															
	C8H20Pb		TP	212	100					+	+	+															
			TP	248	120					+	+	+															
1674	**tetrahydrofuran**		TP	68	20	-	-	0	0	0	+	+		-	+	+	+	-	-	-	-	-	-	+			
	THF		TP	104	40		-	-		0	+	+			+	+	+							+			
	oxolane		TP	140	60		-		-	0	+	+			+	+	+										
			TP	176	80		-				+	+															
	C4H8O		TP	212	100						+	+															
1675	**1,2,3,4-tetrahydronaphthalene**		TP	68	20	-		0	-	+	+	+		-					-	-	-	+	-				
	Tetralin®		TP	104	40						+	+															
	C10H12		TP	140	60						+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1676	**thioglycolic acid**		TP	68	20	-		+	+		+	+						0	-		-						
	mercaptoacetic acid		TP	104	40			+	+		+	+															
	HSCH2CO2H		TP	140	60			+	+		+	+															
	C2H4O2S		TP	176	80						+	+															
			TP	212	100						+	+															
1677	**thionyl chloride**		TP	68	20	-	-	-	-	+	+	+		+				-	-	-	-	-	-				
	sulfurous acid dichloride		TP	104	40		-			+	+	+															
			TP	140	60		-			+	+	+															
	SOCl2		TP	176	80		-				+	+															
	Cl2OS		TP	212	100						+	+															
1678	**thiophene**		TP	68	20	-		0	0	+	+	+		0				-	-	-	-	-	-				
	C4H4S		TP	104	40			0	-		+	+															
			TP	140	60			-			+	+															
			TP	176	80						+	+															
			TP	212	100						+	+															
1679	**toluene**		TP	68	20	-	-	0	0	+	+	+		-	+	+	+	-	-	-	-	+	-	+	+		+
	methyl benzene		TP	104	40		-	0	-	+	+	+		-	+	+	+					0		+	+		+
			TP	140	60		-	-		0	+	+		-	+	+	+							+	+		+
	C6H5CH3		TP	176	80		-			0	+	+		-	+	+	+							+	+		+
	C7H8		TP	212	100					-	+	+		-	+	+	+							+	+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1681	**tributyl phosphate**		TP	68	20	-	-	+	+	+	+	+		-					-	+	-	-	-				
	phosphoric acid tributyl ester		TP	104	40		-	+	+		+	+															
	TBP		TP	140	60		-	+	+		+	+															
	(C4H9O)3PO		TP	176	80		-				+	+															
	C12H27O4P		TP	212	100						+	+															
1682	**trichloroacetaldehyde**		TP	68	20	-		+	+	-	+	+							**0**	-	-	**0**	-				
	chloral		TP	104	40			+	+		+	+															
	CCl3CHO		TP	140	60			+	+		+	+															
	C2HCl3O		TP	176	80						+	+															
			TP	212	100						+	+															
1683	**trichlorobenzene (mixture of isomers)**		TP	68	20	-	-	-	-	-	+	+		-	+	+	+	-	-	-	-			+	+		+
	C6H3Cl3		TP	104	40						+	+			+	+	+							+	+		+
			TP	140	60						+	+			+	+	+								+		+
			TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
1684	**trichloroacetic acid**	aq	50%	68	20	+		+	+	+	+	+		**0**			+		-	**0**	-	-	-	+			
	CCl3CO2H	aq	50%	752	400			+	+	+	+	+					+							+			
	C2HCl3O2	aq	50%	140	60			+	+	**0**	+	+					+							+			
		aq	50%	176	80					-	+	+					+							+			
		aq	50%	212	100						+	+															
			TP	68	20	+		+	+	**0**	+	+		**0**			+		-	**0**	-	-	-	+			
			TP	104	40	+		**0**	+		+	+					+							+			
			TP	140	60	**0**		-	+		+	+					+							+			
			TP	176	80						+	+					+							+			
			TP	212	100						+	+															
1685	**trichloroethylene**		TP	68	20	-	-	-	**0**	+	+	+	-	-	+	+	+	-	-	-	-	**0**	-	+			
	trichloroethene		TP	104	40		-			+	+	+	-											+			
			TP	140	60		-			+	+	+												+			
	ClCH=CCl2		TP	176	80		-			+	+	+												+			
	C2HCl3		TP	212	100						+	+															
1686	**trichloronitromethane**		TP	68	20	+		-	-		+	+															
	nitrotrichloromethane		TP	104	40						+	+															
	chloropicrin		TP	140	60						+	+															
	CCl3NO2		TP	176	80						+	+															
			TP	212	100						+	+															
1687	**triethanolamine**		TP	68	20	**0**		+	+	-	+	+				+		**0**	-	**0**	**0**	**0**	-	+			
	2,2',2''-nitrilotriethanol		TP	104	40			+	+		+	+						**0**				-		+			
			TP	140	60			+	**0**		+	+															
	(HOCH2CH2)3N		TP	176	80						+	+															
	C6H15NO3		TP	212	100						+	+															

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1688	**triethylene glycol**		TP	68	20			+	+		+	+															
	triglycol		TP	104	40			+	+		+	+															
	HO(CH2CH2O)3H		TP	140	60			+	+		+	+															
	C6H14O4		TP	176	80						+	+															
			TP	212	100						+	+															
1689	**trimethyl borate**		TP	68	20	-		+	**0**		+	+															
	boric acid trimethyl ester		TP	104	40			**0**	-		+	+															
			TP	140	60						+	+															
	(CH3O)3B		TP	176	80						+	+															
	C3H9BO3		TP	212	100						+	+															
1690	**trioctyl phosphate**		TP	68	20	-		**0**	+		+	+		-					**0**	-	-	-	-				
	phosphoric acid trioctyl ester		TP	104	40						+	+															
			TP	140	60						+	+															
	(C8H17O)3PO		TP	176	80						+	+															
	C24H51O4P		TP	212	100						+	+															
1692	**urine**			68	20	+		+	+	+	+	+		+					+	+	+	+	+				
				104	40	+		+	+	+	+	+							+	+	+	+	+				
				140	60	**0**		+	+	+	+	+							+	+	+	+	+				
				176	80					+	+	+															
				212	100					+	+	+															
				248	120						+	+															
1693	**vaseline**		TP	68	20	**0**		**0**	+	+	+	+		+	+	+	+	-	+	-	-	+	+				
			TP	104	40	-		**0**	**0**	+	+	+		+	+	+	+		+			+	+				
			TP	140	60				**0**	+	+	+							+			+	+				
			TP	176	80					+	+	+							+			+	+				
			TP	212	100					+	+	+							+			+	+				
			TP	248	120					+												+					
1694	**vaseline oil**		TP	68	20	+		+	+	+	+	+		+	+	+	+	-	+	-	+	+	**0**				
	paraffin oil		TP	104	40	+		+	+	+	+	+		+	+	+	+		+		**0**	+	-				
			TP	140	60	**0**		+	**0**	+	+	+		+	+	+	+		**0**		-	+					
			TP	176	80					+	+	+		**0**	+	+	+										
			TP	212	100					+	+	+			+	+	+										
			TP	248	120					+	+	+			+	+	+										
1695	**vinyl acetate**		TP	68	20	-	-	+	+		+	+	-	-	+	+	+	+	+	+	+	+	+	+			
	acetic acid vinyl ester		TP	104	40	-	-	+	**0**		+	+											+				
			TP	140	60	-	-	**0**			+	+															
	CH3CO2CH=CH2		TP	176	80		-				+	+															
	C4H6O2		TP	212	100						+	+															

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1696	**vinyl chloride**	gas,dry	HC	68	20	-	-	**0**	-	+	+	+						-	-	-	-	**0**	-	+			
	chloroethylene	gas,dry	HC	104	40			-		+	+	+										**0**		+			
	H2C=CHCl	gas,dry	HC	140	60					+	+	+										**0**					
	C2H3Cl	gas,dry	HC	176	80					+	+	+															
		gas,dry	HC	212	100					+	+	+															
1697	**viscose spinning solutions**			68	20	+		+	+	+	+	+		-					-	+	0	+	+				
				104	40	+		+	+	+	+	+								+	0	+	+				
				140	60	+		+	+	+	+	+								+	-	+	+				
				176	80						+	+															
				212	100						+	+															
1698	**1-tetracosanol**		TP	68	20	+		**0**	**0**	+	+	+		-					+	-	+	+	-				
	wax alcohol		TP	104	40	+		**0**	**0**	+	+	+							+		+	+	-				
	lignoceryl alcohol		TP	140	60	+		-	-	+	+	+							+		+	+	-				
	CH3(CH2)22CH2OH		TP	176	80						+	+															
	C24H50O		TP	212	100						+	+															
1702	**water, condensed**			68	20	+	+	+	+	+	+	+	+						+	+	+	+	+	+			
	condensed water			104	40	+	+	+	+	+	+	+	+						+	+	+	+	+	+			
	H2O			140	60	**0**	+	+	+	+	+	+	+						+	**0**	+	+	+	+			
				176	80		+			+	+	+	-						**0**			+	+	+			
				212	100					+	+	+												+			
1703	**water, seawater**			68	20	+	+	+	+	+	+	+	+	+	**0**	**0**	+		+	+	+	+	+	+	+	+	+
	seawater			104	40	+	+	+	+	+	+	+	+	+	**0**	**0**	+		+	+	+	+	+	+	+	+	+
				140	60	+	+	+	+	+	+	+	+	+	-	-	+		+	+	+	+	+	+	+	+	+
				176	80		+		+	+	+	+	-				+			+	**0**	+		+	+	+	+
				212	100					+	+	+					+				-			+	+	+	+
1704	**water, mineral water**			68	20	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
	mineral water			104	40	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
				140	60	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
				176	80		+		+	+	+	+	-				+			+		+		+	+	+	+
				212	100					+	+	+					+							+	+	+	+
1705	**water, pure**			68	20	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
	pure water			104	40	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+	+	+	+	+
				140	60	+	+	+	+	+	+	+	+	+			+		+	+	+	+		+	+	+	+
				176	80		+		+	+	+	+	-				+			**0**		+		+	+	+	+
	H2O			212	100					+	+	+					+			-		+		+	+	+	+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1706	**water, traces of butanol and phenol**			68	20	+		+	+	+	+	+	+						+	+	+	+	+	+			
				104	40	-				+	+	+	+						+	+	+	+	+	+			
				140	60					+	+	+	+						+	**0**	+	+	**0**	+			
				176	80					+	+	+	-						-			+		+			
				212	100					+	+	+												+			
1708	**hydrogen**	gas,dry	HC	68	20	+		+	+	+	+	+		+		+	+	+	+	+	+	+	+				
	H2	gas,dry	HC	104	40	+		+	+	+	+	+		+		+	+	+	+	+	+	+	+				
		gas,dry	HC	140	60	+		+	+	+	+	+				+		+	+	+	+	+	+				
		gas,dry	HC	176	80				**0**	+	+	+				+			+	+	+	+	+				
		gas,dry	HC	212	100				-	+	+	+				+			+	+		+					
		gas,dry	HC	248	120						+	+															
1709	**hydrogen peroxide**	aq	10%	68	20	+	+	+	+	+	+	+		+					**0**		-	+	+	+	+		+
	hydrogen superoxide	aq	10%	104	40	+		+	+	+	+	+							-			+	+	+	+		+
	HOOH	aq	10%	140	60	**0**		+	+	+	+	+										+	**0**	+	+		+
	H2O2	aq	10%	176	80					+	+	+											-	+	+		+
		aq	10%	212	100					+	+	+												+	+		+
		aq	30%	68	20	+	+	+	+	+	+	+		+				-	-		-	+	+	+	+		+
		aq	30%	104	40	**0**	**0**	**0**	+		+	+										+	**0**	+	+		+
		aq	30%	140	60				**0**	+	+	+									**0**	-	+		+		+
		aq	30%	176	80					+	+	+										-		+	+		+
		aq	30%	212	100					+	+	+												+	+		+
		aq	50%	68	20					+	+	+										+		+	+		+
		aq	50%	104	40					+	+	+												+	+		+
		aq	50%	140	60						+	+															
		aq	50%	176	80						+	+															
		aq	50%	212	100						+	+															
		aq	90%	68	20		-	-	+		+	+						-	-			**0**					
		aq	90%	104	40						+	+															
		aq	90%	140	60						+	+															
		aq	90%	176	80						+	+															
		aq	90%	212	100						+	+															
1710	**wine, red and white**			68	20	+		+	+	+	+	+		+	+	+	+		+	+	+	+	+				
				104	40			+	+	+	+	+		+	+	+	+										
				140	60			+	+	+	+	+			+	+	+										
				176	80					+	+	+															
				212	100					+	+	+															
				248	120					+	+	+															

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1711	**brandy**			68	20	+		+	+	+	+	+		-	+	+	+	+	+	+	+	+	+				
				104	40	+		+	+	+	+	+			+	+	+		+	+	+	+	+				
				140	60	+		+	+	+	+	+			+	+	+		+	+	+	+	+				
				176	80					+	+	+								+		0					
				212	100					+	+	+															
				248	120						+	+															
1712	**wine vinegar**		H	68	20	+		+	+	+	+	+	-	+	+	+	+	+	-	+	0	0	+				
			H	104	40	+		+	+	+	+	+		+	+	+	+	+		0	0	0	-				
			H	140	60	+		+	+	+	+	+		+	+	+	+	0		-	-		-				
			H	176	80				+	+	+	+		0	+	+	+										
			H	212	100				-	+	+	+			+	+	+										
1713	**L(+)-tartaric acid**	aq	CSC	68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+				
	tartaric acid, naturally	aq	CSC	104	40	+		+	+	+	+	+	0		+	+	+	+	+	0	+	+	+				
		aq	CSC	140	60	0		+	+	+	+	+	0		+	+	+	+	0	-	+	+	+				
	HO2CCH(OH)CH(OH)CO2H	aq	CSC	176	80					+	+	+															
	C4H6O6	aq	CSC	212	100					+	+	+															
1715	**xylene (mixture of isomers)**		TP	68	20	-	-	-	0	+	+	+		-	+	+	+	-	-	-	-	+	-	+	+	+	+
	dimethylbenzene (mixture of isomers)		TP	104	40	-	-	-	-	+	+	+			+	+	+					0	-	+	+	+	+
			TP	140	60	-	-	-	-	0	+	+			+	+	+					-	-	+	+	+	+
	C6H4(CH3)2		TP	176	80		-	-	-	0	+	+			+	+	+					-	-	+	+	+	+
	C8H10		TP	212	100					0	+	+			+	+	+							+	+	+	+
			TP	248	120					-	+	+			+	+	+								+	+	+
1716	**zinc carbonate basic**	aq	CSC	68	20	+	+	+	+	+	+	+							+	+	+	+	+				+
	zinc hydroxide carbonate	aq	CSC	104	40	+	+	+	+	+	+	+							0	+	+	+	+				+
	2ZnCO3 • 3Zn(OH)2	aq	CSC	140	60	+	+	+	+	+	+	+							-	+	+	+	+				+
	C2H6O12Zn5	aq	CSC	176	80		+			+	+	+															
		aq	CSC	212	100					+	+	+															

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Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1717	**zinc chloride**	aq	10%	68	20	+	+	+	+	+	+	+		+					+	+	+	+	+				
	ZnCl2	aq	10%	104	40	+	+	+	+	+	+	+		+					**0**	+	+	+	+				
	Cl2Zn	aq	10%	140	60	**0**	+	+	+	+	+	+							-	+	+	+	+				
		aq	10%	176	80		+			+	+	+															
		aq	10%	212	100					+	+	+															
		aq	50%	68	20	+	+	+	+	+	+	+							+	+	+	+	+				
		aq	50%	104	40	+	+	+	+	+	+	+							**0**	+	+	+	+				
		aq	50%	140	60	**0**	+		+	+	+	+							-	+	+	+	+				
		aq	50%	176	80		+			+	+	+															
		aq	50%	212	100					+	+	+															
		aq	CSC	68	20	+	+	+	+	+	+	+		+					+	+	+	+	+				
		aq	CSC	104	40	+	+	+	+	+	+	+		+					**0**	+	+	+	+				
		aq	CSC	140	60	+	+	+	+	+	+	+		+					-	+	+	+	+				
		aq	CSC	176	80	-	+	**0**		+	+	+															
		aq	G L	212	100					+	+	+															
1718	**zinc nitrate**	aq	50%	68	20		+	+	+	+	+	+							+	+	+	+	+				
	Zn(NO3)2	aq	50%	104	40		+	+		+	+	+							**0**	+	+	+	+				
	N2O6Zn	aq	50%	140	60		+	+	+	+	+	+							-	+	+	+	+				
		aq	50%	176	80		+			+	+	+															
		aq	50%	212	100					+	+	+															
		aq	CSC	68	20		+	+		+	+	+							+	+	+	+	+				
		aq	CSC	104	40		+	+		+	+	+							**0**	+	+	+	+				
		aq	CSC	140	60		+	+		+	+	+							-	+	+	+	+				
		aq	CSC	176	80		+			+	+	+															
		aq	CSC	212	100					+	+	+															
			TP	68	20		+			+	+	+							+	+	+	+	+				
			TP	104	40		+			+	+	+							**0**	+	+	+	+				
			TP	140	60		+			+	+	+							-	+	+	+	+				
			TP	176	80		+			+	+	+															
			TP	212	100					+	+	+															
			TP	248	120					+	+	+															
1719	**zinc hydrogenphosphate**	aq	CSC	68	20			+	+	+	+	+							+	+	+	+	+				
	ZnHPO4	aq	CSC	104	40			+	+	+	+	+							**0**	+	+	+	+				
	HO4PZn	aq	CSC	140	60			+	+	+	+	+							-	+	+	+	+				
		aq	CSC	176	80					+	+	+															
		aq	CSC	212	100					+	+	+															

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Concentration: LC = low concentration; CSC = cold saturated solution; HC = high concentration; TP = technically pure; DS = diluted solution
Resistances: **+** = Resistance; **0** = Conditionally Resistant; **-** = Non-Resistant

		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1720	**zinc sulfate**	aq	10%	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	10%	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	**0**	+	+	+	+	+	+	+	+
	ZnSO4	aq	10%	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	-	+	+	+	+	+	+	+	+
	O4SZn	aq	10%	176	80		+		+	+	+	+			+	+	+			+		+		+	+	+	+
		aq	10%	212	100					+	+	+			+	+	+							+	+	+	+
		aq	CSC	68	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		aq	CSC	104	40	+	+	+	+	+	+	+	+	+	+	+	+	+	**0**	+	+	+	+	+	+	+	+
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	+	+	+	+	-	+	+	+	+	+	+	+	+
		aq	CSC	176	80		+		+	+	+	+			+	+	+			+		+		+	+	+	+
		aq	CSC	212	100					+	+	+			+	+	+							+	+	+	+
1721	**tin(II) chloride**	aq	DL	68	20	+	+	+	+	+	+	+			**0**	**0**	+	+	+	+	+	+	+				
	SnCl2	aq	DL	104	40	+	+	+	+	+	+	+		+	-	-	+	+	**0**	**0**	+	+	+				
	Cl2Sn	aq	DL	140	60	**0**	+	+	+	+	+	+		+													
		aq	DL	176	80						+	+															
		aq	DL	212	100		+				+	+															
		aq	CSC	68	20	+	+	+	+	+	+	+			-	-	+	+	+	+	+	+	+				
		aq	CSC	104	40	**0**	+	+	+	+	+	+			-	-	+	+	+	**0**	+	+	+				
		aq	CSC	140	60	**0**	+	+	+	+	+	+		+	-	-	+	+	**0**	-	+	+	+				
		aq	CSC	176	80		+	**0**	**0**	+	+	+		+			+	-		-							
		aq	CSC	212	100					+	+	+															
			TP	68	20	+	+	+	+	+	+	+			-	-	+	+	+	+	+	+	+				
			TP	104	40	+	+	+	+	+	+	+					+	+	+	**0**	+	+	+				
			TP	140	60		+	+	+	+	+	+					+	-									
			TP	176	80		+			+	+	+															
			TP	212	100					+	+	+															
			TP	248	120						+	+															
1722	**sugar syrup**			68	20	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+				
				104	40	+	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+				
				140	60	**0**	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+				
				176	80		+		+	+	+	+	+	+						+	+	+	+				
				212	100					+	+	+															
				248	120						+	+															
1723	**mixed acid: HNO3 12%, HF 5%**	aq		68	20					+	+	+	-		-	-	-							+	+		-
	HNO3 12%, HF 5%, H2O 83%	aq		104	40					+	+	+												+	+		
		aq		140	60					+	+	+													+		
		aq		176	80					+	+	+										-			+		
		aq		212	100						+	+													+		
1724	**mixed acid: HNO3 20%, HF 5%**	aq		68	20					+	+	+	-		-	-	-							+	+		-
	HNO3 20%, HF 5%, H2O 75%	aq		104	40					+	+	+												+	+		
		aq		140	60					+	+	+													+		
		aq		176	80					+	+	+										-			+		
		aq		212	100						+	+													+		

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
1739	**2 - butanol**		TP	68	20						+	+			+	+	+								+		+
	sec-butyl alcohol		TP	104	40						+	+			+	+	+								+		+
	CH3CH2CH(OH)CH3 C4H10O		TP	140	60						+	+			+	+	+								+		+
			TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1745	**2 - pentanol**		TP	68	20						+	+			+	+	+								+		+
	sec - amyl alcohol		TP	104	40						+	+			+	+	+								+		+
	CH3(CH2)2CH(OH)CH3 C5H12O		TP	140	60						+	+			+	+	+								+		+
			TP	176	80						+	+			+	+	+								+		+
			TP	212	100						+	+			+	+	+								+		+
			TP	248	120						+	+			+	+	+								+		+
1763	**ammonium iron(III) sulfate**	aq	10%	68	20	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	10%	104	40	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	10%	140	60	**0**		+	+	+	+	+					+			+			+	+	+	+	+
		aq	10%	176	80				+	+	+	+					+			+				+	+		+
		aq	10%	212	100					+	+	+					+							+	+		+
		aq	CSC	68	20	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	CSC	104	40	+		+	+	+	+	+	+	+			+		+	+			+	+	+	+	+
		aq	CSC	140	60	**0**		+	+	+	+	+					+			+			+	+	+	+	+
		aq	CSC	176	80				+	+	+	+					+			+				+	+		+
		aq	CSC	212	100					+	+	+					+							+	+		+
1955	**N,N-dimethylacetamide**		TP	68	20	-	-	-	-	-	+	+	-	-	+	+	+								+		+
	CH3CON(CH3)2		TP	104	40						+	+			+	+	+								+		+
	C4H9NO		TP	140	60						+	+			+	+	+								+		+
			TP	176	80						+	+			+	+	+								+		
			TP	212	100						+	+			+	+	+								+		
			TP	248	120						+	+			+	+	+								+		
2143	**ethylene glycol monobutyl ether**	dry	TP	68	20	-	-				+	+			+	+	+										
	2-butoxyethanol	dry	TP	104	40						+	+			+	+	+										
	butyl Cellosolve	dry	TP	140	60						+	+			+	+	+										
	CH3(CH2)3OCH2CH2OH	dry	TP	176	80						+	+			+	+	+										
	C6H14O2	dry	TP	212	100						+	+			+	+	+										
2185	**n - decane**		TP	68	20					+	+	+			+	+	+			-	+			+	+		+
	CH3(CH2)8CH3 C10H22		TP	104	40					+	+	+			+	+	+				+			+	+		+
			TP	140	60					+	+	+			+	+	+							+	+		+
			TP	176	80					+	+	+			+	+	+							+	+		+
			TP	212	100					+	+	+			+	+	+							+	+		+
			TP	248	120					+	+	+			+	+	+								+		+

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		Condition	Concentration	Temperature °F	Temperature °C	PVC-U	CPVC	PE	PP	PVDF	PTFE	FEP, PFA	Polyamide	Polysulfone	304 Stainless Steel	316 Stainless Steel	Hastelloy C	Buna-N	NBR	EPDM	CR	FKM, FPM	CSM	FFKM	SSIC	Carbon	Al_2O_3
2218	**pivaloyl chloride**		TP	68	20						+	+													+		+
	trimethylacetyl chloride		TP	104	40						+	+													+		+
	(CH3)3CCOCl C5H9ClO		TP	140	60						+	+													+		+
			TP	176	80						+	+													+		
			TP	212	100						+	+													+		
2260	**ethylene glycol monomethyl ether**		TP	68	20						+	+		-	+	+	+			+		-		+			
	2-methoxyethanol		TP	104	40						+	+			+	+	+			+		-		+			
	methyl Cellosolve		TP	140	60						+	+			+	+	+							+			
	CH3OCH2CH2OH		TP	176	80						+	+			+	+	+										
	C3H8O2		TP	212	100						+	+			+	+	+										
2776	**argon**	gas	HC	68	20	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
		gas	HC	104	40	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
		gas	HC	140	60	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			
		gas	HC	176	80		+		+	+	+	+		+	+	+	+		+	+		+	+	+			
		gas	HC	212	100					+	+	+		+	+	+	+			+		+		+			
		gas	HC	248	120					+	+	+			+	+	+					+		+			

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WTP / WWTP
- Chemical Feed Systems
- Chlorination & Flouridation
- Pressure Regulation

Chlor-Alkali
- Chlorine Processing
- Brine Preparation
- Caustic Sodas

Mining
- Sulfuric Acid
- Hydrochloric Acid
- Slurry Piping

Aquatics
- Natatoriums
- Corrosion-Free Valves
- Valve Automation

Food and Beverage
- Dairy
- Brewing
- Chemical Sterilization

O.E.M. Supplier
- Valves and Automation
- Controls and Instrumentation
- Custom Fabrication

Automotive
- Fume Exhaust
- Washdown Systems
- Process Waste Drainage

High Purity Water
- RODI Systems
- pH Control
- Semiconductor Cleaning

Power / Utilities
- Deminieralization
- Flue Gas Desulpherization
- Nuclear Process Drainage

Biotech / Pharma
- RODI High Purity Water
- WFI Systems
- Environmental Containment

Laboratory Exhaust
- Corrosive Fume Extraction
- Wet Bench Hoods
- Chemical Box Exhaust

Pulp and Paper
- Bleach and Liquor Lines
- Spent Acid and Caustic Lines
- Wet Scrubber Systems

Chemical Processing
- Chemical Transfer & Storage
- Metering and Mixing
- Process Fume Extraction

Life Sciences
- High Purity RODI Water
- Laboratory Fume Exhaust
- University Facilities

Steel / Metal Finishing
- Piping Lines
- Electroplating
- Fume Exhaust

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