

SYSTEM INDEX

Page numbers preceded with e refer to evaluations whereas those not preceded with e refer to compiled tables. Systems are indexed under solvents not under gases.

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+ N-methylmethanamine	e83, 175

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+ N,N-dimethylmethanamine	e91,185
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+ N-methylmethanamine	140
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+ methanamine	e81,108
+ N-methylmethanamine	e82,155
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+ N,N-dimethylmethanamine	e87,229
+ N-methylmethanamine	e83,155,175
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+ ammonia	e4,13,28,33
+ N,N-dimethylmethanamine	185
+ methanamine	e81,100
+ N-methylmethanamine	e82,140
+ phosphine	e281,e282,287
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+ phosphine	e281,e282,286
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+ methanamine	121
+ N-methylmethanamine	164
+ phosphine	e281,e282,287
Benzene, nitro-	
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+ methanamine	118
+ N-methylmethanamine	161
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+ stannane	e315,325,326
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+ ammonia	16
+ N,N-dimethylmethanamine	185
+ methanamine	100
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+ ammonia	16
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+ stannane	e315,327,328
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+ germane	e315,323,324
+ phosphine	e281,e282,296,297
+ silane	e315,318,319
+ stannane	e315,327,328
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+ ammonia	16
+ N,N-dimethylmethanamine	e86,218
+ methanamine	122
+ N-methylmethanamine	e91,166
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+ ammonia	16
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+ methanamine	e90,106
+ N-methylmethanamine	e91,153

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 + N,N-dimethylmethanamine e85,e91,204,205
 + methanamine e90,110
 + N-methylmethanamine e82,156
- Benzonitrile
 + N,N-dimethylmethanamine e86,215
 + methanamine 120
 + N-methylmethanamine e91,163
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- 1,1-Bicyclohexyl
 + ammonia e2,e3,24,25,e90
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 + phosphine e281,e282,285
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 + methanamine e80,e90,92 93
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 + methanamine e90,105
 + N-methylmethanamine e82,148
- 2-Butanol
 + ammonia e6,46
- 1-Butanol,3-methyl-
 + ammonia e6,45
 + N,N-dimethylmethanamine 190
- 2-Butanone
 + N,N-d-methylmethanamine 181,182
- iso-Butylamine see 2-methyl-1-propanamine
- 1,3-Butylene glycol see 1,3-butanediol
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C

- Carbon disulfide
 + phosphine e281,e282,295,300
- Carbon tetrachloride see methane, tetrachloro-
 Chlorobenzene see benzene chloro-
 Chloroform see methane, trichloro-
- Cyclohexane
 + ammonia e2,20-23,e90
 + phosphine e281,e282,285
- Cyclohexane,methyl-
 + ammonia e2,23
- Cyclohexane,undecafluoro(trifluoromethyl)-
 + phosphine e281,e282,285
- Cyclohexanol
 + ammonia e6,49
 + phosphine e281,e282,288
 + silane e315,320
- Cyclohexanone
 + ammonia e7,e8
 + N,N-dimethylmethanamine 181,182
- Cyclohexene
 + ammonia e3,27
 + phosphine e281,e282,285
- Cyclohexene (ternary)
 + ammonia e3,31,32

Cyclopentanone	
+ N,N-dimethylmethanamine	179,180
D	
Decahydronaphthalene	see naphthalene, cis-decahydro-
Decalin	see naphthalene, decahydro-
Decane	
+ ammonia	16
+ N,N-dimethylmethanamine	e84,183
+ methanamine	e80,e89,e90,98,99
+ N-methylmethanamine	e82,e90,139
+ phosphine	e281,e282,273
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+ ammonia	19
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Diethyl ether	see ethane,1,1"-oxybis-
N,N-Dimethylaniline	see benzenamine, n,n-dimethyl-
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N,N-Dimethylformamide	see formamide, n,n-dimethyl-
Dinonylamine	see 1-nonanamine, n-nonyl-
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1,4-Dioxane	
+ ammonia	e8,20
+ N,N-dimethylmethanamine	e85,198
+ methanamine	e81,104
+ N-methylmethanamine	e82,152
Dipentylether	see pentane,1,1"-oxybis
Dodecane	
+ ammonia	e2,13,16
+ phosphine	e281,e282,283
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+ ammonia	75
Ethane(2-chloro-1,1-oxybis	
+ arsine	e302,304,305
+ germane	e315,321,322
+ phosphine	e281,e282,298,299
+ silane	e315,316,317
+ stannane	e315,325,326
+ stibine	e310,313,314
Ethane,1,2-dichloro-	
+ ammonia	e9,67
+ arsine	e302,309
+ phosphine	e281,e282,294
1,2-Ethanediamine, n,n"-bis-(2-aminoethyl)-	
+ 1-butanamine	e252,275
1,2-Ethanediol	
+ ammonia	e6,e7,50
+ 1-butanamine	e252,275
+ 2-butanamine	e252,276
+ N,N-dimethylmethanamine	e85,e86,e89,e91,195
+ N-ethyl-ethanamine	e252,278
+ methanamine	e80,101,102
+ N-methylmethanamine	e82,149
+ 2-methyl-1-propanamine	e252,277
+ phosphine	e281,e282,290
+ 1-propanamine	e252,267
+ 2-propanamine	e252,274
2,2"-(1,2-ethanediylbis(oxy))bis ethanol	
see ethanol,2,2"-(1,2-ethanediylbis(oxy))bis-	
Ethane,1,1"-oxybis-	
+ N,N-dimethylmethanamine	e85,200

Ethane, 1,1,2,2-tetrachloro-	
+ arsine	e302,309
Ethanol, 2,2"-(oxybis(2,1-ethanedioxy))bis	
+ 1-butanamine	e252,275
Ethanol	
+ ammonia	e5,38-42,e90
+ N,N-dimethylmethanamine	e84,187
+ N-methylmethanamine	e82,144,145
Ethanol, 2-amino-	
+ ammonia	e6,75
+ arsine	e302,308
Ethanol, 2-chloro-	
+ ammonia	e7,54
Ethanol, 2,2-dichloro-	
+ ammonia	e7,54
Ethanol, 2,2'-(1 2-ethanedioylbis(oxy))bis-	
+ 2-propanamine	e252,274
+ 1-butanamine	e252,275
+ 1-propanamine	E252,267
Ethanol, 2-ethoxy-	
+ arsine	e302,304,305
+ germane	e315,321,322
+ phosphine	e281,e282,298,299
+ silane	e315,316,317
+ stannane	e315,325,326
+ stibine	e310,313,314
Ethanol, 2,2',2"nitrilotris-	
+ arsine	e302,308
Ethanol, 2,2'-oxybis-	
+ ammonia	e7,51,52,e90
+ 1-butanamine	e252,269
+ methanamine	e80,102
+ 1-propanamine	e252,267
+ 2-propanamine	e252,274
Ethanone, 1-phenyl	
+ N,N-dimethylmethanamine	e85,201,202
+ methanamine	107
+ N-methylmethanamine	e82,154
Ethanol, 2,2,2-trichloro-	
+ ammonia	e7,54
+ N,N-dimethylmethanamine	e85,e91,227
+ methanamine	e90,134
+ N-methylmethanamine	e91,174
Ethene, tetrachloro-	
+ arsine	e302,309
Ethene, 1,2-dichloro-	
+ arsine	e302,309
Ethene, trichloro-	
+ arsine	e302,309
N-Ethylaniline	see benzenamine, N-ethyl-
N-Ethylbenzenamine	see benzenamine, N-ethyl-
Ethylbenzoate	see benzoic acid, ethylester
Ethylene glycol	see 1,2-ethanediol
Ethyl ether	see ethane, 1,1'-oxybis-
Ethyl phenylether	see benzene, ethoxy-

F

Formamide, N,N-dimethyl-	
+ ammonia	16
+ N,N-dimethylmethanamine	e86,e91,209
+ methanamine	e81,e91,113,114
+ N-methylmethanamine	159

2-Furancarboxaldehyde	
+ arsine	e302,306,307
+ germane	e315,323,324
+ phosphine	e281,e282,296,297
+ silane	e315,318,319
+ stannane	e315,328,328
+ stibine	e310,311,312
Furan,tetrahydro-	
+ phosphine	e281,e282,291
G	
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Glyceryltriacetate	see 1,2,3-propanetriol triacetate
H	
Heptane	
+ N,N-dimethylmethanamine	e84,181,182
+ phosphine	e281,e282,287
2-Heptane,2,6-dimethyl-	
+ phosphine	e281,e282,284
Hexadecane	
+ ammonia	e2,13,16,17,e90
Hexamethylenediamine	see 1,6-hexanediamine
Hexane	
+ ammonia	e1,e88-e90,13-15
+ ethanamine	e252,255,256
+ ethanamine-d2	e234,242,243
+ methanamine-d, N-methyl-	e234,244,245
+ methanamine	e80,e88-e90,94,95
+ methanamine-d2	e234,238,239
+ methanamine-d5	e234,240,241
+ methan-d3-amine	e234,235,237
+ N-methylmethanamine	e82,e88,e89,e91,135-138
+ N-(methyl-d3)-methan-d3-amine	e234,246,247
+ N-(methyl-d3)-methan-d3 amine-d	e234,248,249
+ N,N-diethyl-ethanamine	e252,280
+ N,N-dimethylmethanamine	e83,e84,e88,e89, e91,178-180
+ phosphine	e281,e282,283
+ 1-propanamine	e252,259-263
+ 2-propanamine	e252,268-270
+ 1-propanamine-d	e234,264-266
+ 2-propanamine-d	e234,271-273
1,6-Hexanediamine	
+ 1-butanamine	e252,275
Hexanedinitrile	
+ ammonia	e11,76-78
Hydrazine	
+ ammonia	e10,71,e90
Hydrazine,1,1-dimethyl-	
+ ammonia	e10,73,e90
Hydrazine,methyl-	
+ ammonia	e10,72,e90
Hydrocyanic acid	
+ arsine	e302,303
K	
Kerosine	
+ ammonia	18
L	
Liquid paraffin	
+ arsine	e302,304,305,308
+ germane	e315,321,322
+ phosphine	289,298,299
+ silane	e315,316,317
+ stannane	e315,325,326
+ stibine	e310,313,314

M

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Methanamine, N,N-dimethyl-		
+ methanamine		81,115,116
+ methanamine-d2		e234,250,251
Methane,dichloro-		
+ arsine		e302,309
Methane,nitro-		
+ N,N-diethylethanamine		e252,279
+ N,N-dimethylmethanamine		e86,208
Methane,tetrachloro-		
+ ammonia		e9,67
+ arsine		e302,309
+ N,N-dimethylmethanamine		e87,e91,225,226
+ methanamine		e81,e90,128-130
+ N-methylmethanamine		e83,e91,171-173
+ phosphine		e281,e282,294
Methane,trichloro-		
+ ammonia		e9,16,67,68
+ arsine		e302,309
+ N,N-dimethylmethanamine		e87,223,224
+ methanamine		e81,128
+ N-methylmethanamine		e83,173
Methanol		
+ ammonia		e4,e5,35-38,e90
+ N,N-dimethylmethanamine		e84,186
+ N-methylmethanamine		e82,142,143
N-Methylaniline	see benzenamine, n-methyl-	
N-Methylbenzenamine	see benzenamine, n-methyl-	
3-Methyl-1-butanol	see 1-butanol,3-methyl-	
Methylcyclohexane	see cyclohexane,methyl-	
1-Methylnaphthalene	see naphthalene, 1-methyl-	
1-Methyl-2-nitrobenzene	see benzene,1-methyl-2-nitro-	
Methylphenylketone	see ethanone,1-phenyl	
2-Methyl-1-propanol	see 1-propanol,2-methyl-	
Monoethanolamine	see 2-aminoethanol	

N

Naphthalene 1,2,3,4-tetrahydro-		
+ arsine		e302,308
+ phosphine		e281,e282,285
Naphthalene		
+ N,N-dimethylmethanamine		
Naphthalene,cis-decahydro-		
+ ammonia		e3,26
Naphthalene,decahydro		
+ phosphine		e281,e282,285
Naphthalene,trans-decahydro-		
+ ammonia		e3,26
Naphthalene,1-bromo-		
+ N,N-dimethylmethanamine		e87,231,232
+ methanamine		e81,133
+ N-methylmethanamine		177
Naphthalene,1-chloro		
+ N,N-dimethylmethanamine		e87,233
Naphthalene,1-methyl-		
+ ammonia		34,e90
Nitrobenzene	see benzene,nitro-	
Nitromethane	see methane,nitro-	
Nitropropane	see propane,nitro-	
o-Nitrotoluene	see benzene,1-methyl-2-nitro-	
1-Nonanamine,n-nonyl-		
+ phosphine		e281,e282,293
Nonane		
+ methanamine		e80,e90,96,97

O

1-Octanamine	
+ ammonia	16,e90
+ N,N-dimethylmethanamine	e86,220
+ methanamine	e90,125
+ N-methylmethanamine	169
Octane	
+ ammonia	e2,13,16
Octane,1-chloro-	
+ ammonia	e9,69
Octane,1,1"-oxybis-	
+ ammonia	e8,16,59
+ N,N-dimethylmethanamine	e85,e91,206
+ methanamine	e81,e90,112
+ N-methylmethanamine	158
iso-Octane	see 2,2,4-trimethylpentane
1-Octanol	
+ ammonia	e6,16,48
+ N,N-dimethylmethanamine	e85,e91,191
+ methanamine	e90,109
+ N-methylmethanamine	e82,e91,148
+ 1-propanamine	e252,267
Octylamine	see 1-octanamine
3-Oxo-butanoic acid ethyl ester	
see butanoic acid, 3-oxo-ethyl ester	
1,1'-Oxybisoctane	see octane,1,1'-oxybis-

P

Pentane	
+ phosphine	e281,e282,283
Pentane, 1,1"-oxybis-	
+ methanamine	e81,111
+ N-methylmethanamine	157
Pentane, 2,2,4-trimethyl-	
+ ammonia	e2,15
+ phosphine	e281,e282,283
3-Pentanone	
+ N,N-dimethylmethanamine	181,182
Petroleum ether	
+ phosphine	289
1-Phenyl benzoate	see benzoic acid, 1-phenyl ester
Phosphoric acid tributyl ester	
+ ammonia	e8,64
Phosphorous acid, dibuthylester	
+ ammonia	e8,62
Phosphorous acid, triethyl ester	
+ ammonia	e8,61
Phosphorous acid, triphenyl ester	
+ ammonia	e8,63
Phosphorus (ternary)	
+ phosphine	300
2-Pinene	see bicyclo(3,1,1)-hept-2-ene,2,6,6-trimethyl-
Propanenitrile	
+ arsine	e302,303
1,2,3-Propanetriol	
+ ammonia	e7,53
+ N,N-dimethylmethanamine	e85,e86,e91,197
+ methanamine	e80,102,103
+ N-methylmethanamine	e82,150,151
+ 1-propanamine	e252,267
1,2,3-Propanetriol triacetate	
+ ammonia	e9,65
Propane,nitro-	
+ phosphine	e281,e282,290

1-Propanol	
+ ammonia	e5,38,43,e90
+ N,N-dimethylmethanamine	188
+ N-methylmethanamine	e82,146,147
2-Propanol	
+ ammonia	e5,38,44
1-Propanol,2-methyl-	
+ ammonia	e6,45,46
2-Propanol,2-methyl-	
+ ammonia	e6,45,46,e90
2-Propanone	
+ ammonia	e7,e8,53,55
+ arsine	e302,308
+ N,N-dimethylmethanamine	e85,196
+ phosphine	e281,e282,290
Propene,1,2-epoxy-	
+ phosphine	e281,e282,290
Propionitrile	see propanenitrile
N-Propylamine	see 1-propanamine
Pyridine	
+ N,N-dimethylmethanamine	210
+ methanamine	e81,117
+ N-methylmethanamine	e83,160
2-Pyrrolidinone,1-methyl-	
+ ammonia	e8,56-58

Q

Quinoline	
+ ammonia	e11,75
+ N,N-dimethylmethanamine	210
+ methanamine	e81,117
+ N-methylmethanamine	e83,160

S

Silane,tetramethyl-	
+ ammonia	e11,79
Silane,triethoxy-	
+ ammonia	e9,66
+ arsine	e302,306,307
+ phosphine	e281,e282,296,297
+ stannane	e315,327,328
+ stibine	e310,311,312
Silicic acid, tetraethyl ester	
+ arsine	e302,306,307
+ germane	e315,323,324
+ phosphine	e281,e282,296,297
+ silane	e315,318,319
+ stannane	e315,327,328
+ stibine	e310,311,312
Silicone PFMS-4F	
+ arsine	e302,304,305
+ germane	e315,321,322
+ phosphine	298,299
+ silane	e315,316,317
+ stannane	e315,325,326
Silicone VKZH-94B	
+ arsine	e302,306,307
+ germane	e315,323,324
+ phosphine	296,297
+ silane	e315,318,319
+ stannane	e315,327,328
+ stibine	e310,311,312

Silicone 702-DF	
+ arsine	e302,306,307
+ germane	e315,323,324
+ phosphine	296,297
+ silane	e315,318,319
+ stannane	e315,327,329

T

Tetrachloromethane see methane,tetrachloro-
Tetralin see naphthalene,tetrahydro-
Tetramethylsilane see silane,tetramethyl-
Toluene see benzene, methyl-
Toluene,m-bromo- see benzene,1-bromo-3-methyl
Triacetin see 1,2,3-propanetriol triacetate
Trichloromethane see methane, trichloro-
1,1,1-Trichloro-2-hydroxyethane see ethanol, 2,2,2-trichloro
Triethylamine see ethanamine,n,n-diethyl-
Triethylenetetramine
 see 1,2-ethanediamine,n,n"-bis(2-aminoethyl)-
Triethylene glycol
 see ethanol,2,2"-(1,2-ethanediylbis(oxy))bis-
1,3,5-Trimethylbenzene see benzene,1,3,5-trimethyl-

X

m-Xylene see benzene,1,3-dimethyl-