

UPGRADED Aug. 21, 1995

CHEMICAL LIST
PROFESSOR ERIC ENHOLM'S GROUP

KEY: All chemicals listed are used in the hood only; **REGISTRY** = CAS registry; **L**=Location: O = organic shelf, R = refrigerator, D = desiccator, H = hazardous hood, I = inorganic shelf; **F**=Frequency: M = monthly, D = daily, W = weekly; **Q**=quantity: A=0-500g; B=500-5000g; C=5000+; **FSL**=Florida Sub. List.; X=yes

CHEMICAL	REGISTRY	Q	F	L	FSL
Acetic Acid glacial	64-19-7	B	M	O	X
Acetic Anhydride	108-24-7	A	M	O	X
Acetobromo-a-D-Glucose	572-09-8	B	M	R	
Acetone	67-64-1	C	M	O	X
Acetol	116-09-6	A	M	O	X
Acetonitrile	75-05-8	B	M	O	X
Acetonyl acetone		A	M	O	X
Acetophenone		A	M	O	
Acetyl Bromide	506-96-7	B	M	R	
Acetyl Chloride		A	M	H	X
Acid Blue 25		A	M	O	
Acid Blue 80		A	M	O	
Acrolein		A	M	R	X
Acrylonitrile		A	M	R	X
Acryloyl Chloride	814-68-6	A	M	R	
Adipyl chloride		A	M	O	X
AIBN		A	M	R	X
Allyl acetoacetate		A	M	O	
Allyl Alcohol		A	M	O	X
Allyl Bromide		A	M	R	X
Allyl magnesium bromide	1730-25-2	A	M	O	
Alumina (adsorption, neutral)		A	M	I	

Aluminum Chloride			B	M	I	X
Amberlite			A	Y	I	
Ammonium acetate			A	M	I	
Ammonium chloride			A	M	I	X
Ammonium molybdate(IV) hydrate			A	M	I	
Ammonium tetrachloropalladate(II)			A	M	I	
Androsterone	53-41-8				O	
Aniline		A	M	O	X	
<i>p</i> -Anisaldehyde			A	M	O	
Anisole			A	M	O	
<i>p</i> -Anisylchlorodiphenylmethane			A	M	R	
l (-) Arabitol			A	M	O	
(+)-Arabinose	87-72-9		A	M	O	
l-Ascorbic Acid			A	M	O	
DL-Aspartic Acid			A	M	O	
2, 2-Azobis-(2-methylpropionitrile)	78-67-1		B	M	R	X
Barium bromide			A	M	I	
Barium chlorate			A	M	I	X
Barium nitrate			A	M	I	X
Benzaldehyde			A	M	O	X
Benzene	71-43-2		B	M	O	X
Benzenesulfinic acid, Na salt						
Benzhydrol						
Benzoic Acid			B	M	O	X
Benzonitrile			A	M	O	
Benzophenone		A	M	O		
Benzoyl Chloride			B	M	O	X
Benzyl Acetone	2550-26-7		A	M	O	
Benzyl Alcohol	100-51-6		B	M	O	X

Benzyl Amine		A	M	O	
Benzyl Bromide (a-chlorotoluene)	100-39-0	A	M	O	
Benzyl Chloromethyl Ether		A	M	R	
Benzyl Chloride (a-bromotoluene)	98-88-4	A	M	O	
Benzyl Hydroxylamine Hydrochloride	2687-43-6	A	M	O, D	
Benzylphosphonium bromide (see methylphenyl...)					
Benzyl Trimethyl Ammonium Hydroxide		A	Y	O	
Benzyl-2,2,2-thichloroacetimidate		A	M	R	
BHT					
Bicyclo[3.3.3]octanedione		A	M	O	
Bis-(2-methoxy ethyl)-ether		A	M	O	
1,2-Bis(diphenylphosphino) ethane	1663-45-2	A	M	O	
1,2-Bis(diphenylphosphino) ethane Pd(II)		A	M	O	
1,2-Bis(diphenylphosphino) ethane Pd(II) chloride		A	M	O	
Bis (Tributyltin) Oxide	56-35-9	A	M	O	
Borane-THF complex		B	M	R	
Borane-methylsulfide complex					R
Boric acid		A	M	I	
Boron Trifluoride Diethyl Ether	109-63-7	B	M	H	X
Bromoacetaldehyde diethyl acetal	2032-35-1	A	M	R	
Bromoacetophenone		A	M		
Bromobenzene					X
<i>p</i> Bromobenzoic acid					
4-Bromo-1-butene	5162-44-7	A	M	O, R	
3-(4-bromobutoxy)-1-propene					
a-Bromo-g-Butyrolactone		A	M	O	
[(1R)-endo]-(+)-3-Bromocamphor	10293-06-8	A	M	O	
1-Bromo-4-chlorobutane	6940-78-9	A	Y	O	
Bromo-3-chloropropane					

6-Bromo-1-hexanol	4286-55-9	A	M	R	
Bromomethyl Acetate	590-97-6	A	M	R	
4-Bromo-2-methyl-2-butene				R	
8-Bromo-1-octene					
5-Bromo-1-pentene	1119-51-3	A	M	R	
Bromopinacolone					
3-Bromo-1-propanol					
N-Bromosuccinimide		A	M	O	
Bromostyrene					
Bromotrimethylsilane					
1-Butanol		A	M	O	X
t-Butanol		A	M	O	
2,3-Butanedione		A	M	R	X
2-Butene-1,4-Diol	110-64-5	A	M	O	
2-Butenenitrile		A	M	O	
t-Butyl Amine		A	W	O	X
t-Butylcyclohexanone					
3-t-(Butyldimethoxy)propyne					
t-Butyldimethylchlorosilane		B	M	H	
t-Butyldimethylsilyl trifluoromethane sulfonate		A	M	R	
4-(t-Butyldimethylsiloxy)norbornene					
t-Butyl Hydroperoxide anhydrous 3.0M	75-91-2	A	M	R	
n-Butyllithium	109-72-8	A	D	R	
t-Butyllithium		A	M	R	
t-Butylmagnesium chloride					
2-Butyne-1-ol	746-01-2	A	M	O	
3-Butyne-1-ol	927-74-2	A	M	O	
iso-Butyric Acid		A	M	O	
4-Butyrolactone		A	M	O	

Butyrophenone					
Cadmium Chloride		A	Y	O	X
Calcium Chloride		A	M	I	
Calcium Hydride	7789-78-8	A	M	O	
d-Camphor		A	M	O	X
d-10-Camphor Sulfonic Acid		A	M	O	
e-Caprolactone	502-44-3	A	M	O	
Capryl Alcohol		B	M	O	
3-Carbomethoxypropionyl chloride					
Carbon Decolorizing		A	M	I	
Carbon disulfide					X
Carbon Tetrachloride	56-23-5	B	M	O	X
Carbon Tetrabromide	558-13-4	A	M	O	X
Carbon Tetraiodide	507-25-5	A	M	R	
1,1'-Carbonyl Diimidazole	530-62-1	A	M	D	
(S)-(+)-Carvone	2244-16-8			O	
Celite		A	M	O	
Ceric Ammonium Nitrate		A	M	I	
Cerium(III) chloride					
Cerium(IV) sulfate					
Cetyl alcohol					
trans-Chalcone					
Charcoal Activated		A	M	I	
Chloroacetaldehyde (50% in H ₂ O)		A	M	O	
Chloroacetaldehyde Dimethyl Acetal		A	M	O	
Chloroacetone		A	M	R	
Chloroacetonitrile		A	M	O	
4-Chloro-1-butanol		A	M	O	
(+ -)-2-Chlorocyclohexanol		A	M	O	

Chlorocyclohexane		A	M	O	
1-Chloro-1-cyclopentene		A	M	R	
2-Chloroethanol		A	M	O	
2-Chloroethylbenzene		A	M	O	
Chloroform-d ₃		A	D	O	
Chloroform	67-66-3	A	D	O	X
Chloromethylphosphonic Dichloride	1983-26-2	A	M	O	
p-Chlorophenol		A	M	O	X
2-Chloropropane		A	M	O, R	
N-Chlorosuccinimide		A	M	O	
Chlorotrimethylsilane					
Chlorovaleronitrile	6280-87-1	A	M	O	
Chromium(II) acetate		A	M	O	
Chromium(II) Chloride		A	M	D	
Chromium(III) Chloride					X
Chromium Trioxide		A	M	I	X
trans-Cinnamaldehyde		A	M	O	
Citral		A	M	O	
Citronellal		A	M	O	
Cobalt Phthalocyanine		A	M	O	
Collidine					
2-Coumaranone					
12-Crown-4		A	M	D	
15-Crown-5	33100-27-5	A	M	D	
18-Crown-6	17455-13-9	A	M	D	
Crotyl Bromide	29576-14-5	A	M	R	X
Cupric acetylactonate					
Cupric Sulfate		A	M	I	
Copper(II) bromide					

Cuprous Cyanide		A	M	I	
Cuprous Iodide		A	M	I	
4-Cyanobenzoic acid					
2-cycloheptenone		A	M	O	
Cycloheptanone		A	M	O	
Cycloheptyl bromide					
Cyclohexadiene		A	M	R	
Cyclohexane carboxaldehyde					
Cyclohexanol		A	M	O	X
Cyclohexanone		A	M	O	X
Cyclohexene		A	M	O	X
2-Cyclohexene-1-one					X
Cyclohexyl Amine		A	M	O	X
Cyclohexyl Iodide	626-62-0	A	M	R	
Cyclohexylmethyl ketone					
Cyclohexyl Phenyl Ketone	712-50-5	A	W	O	
1,5-Cyclooctadiene		A	M	O, H	X
Cyclooctanol		A	M	O	
Cyclopentanone		A	M	O	X
2-Cyclopentene-1-one		A	M	R	
Cyclopentene		A	M	R	X
Cyclopentene oxide		A	M	R	
Cyclopentyl Bromide	137-43-9	A	M	O	
Cyclopentyl Chloride		A	M	O	
Cyclopropyl cyanide		A	M	O	
Cyclopropyl Phenyl Ketone					
1,10-Decanediol		A	M	O	
Decanolactone					
4-decenal					

n-Decyl Alcohol			A	M	O	
2-Decyne-1-ol		A	M	O		
Deoxybenzoin	451-40-1	A	M	R		
Deturium Oxide			A	M	D	
Dextrin (corn)						
Dextrose			A	M	O	
Diacetone-D-glucose	582-52-5		A	M	O	
Diacetone(D)-Mannitol			A	M	O	
1,5-Diazabicyclo[4.3.0]non-5-ene (DBN)	3001-72-7		A	M	O	
1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU)	6674-22-2		A	M	O	
Diazald			A	M	R	
1,4-Dibromobutane						
1,10-Dibromodecane						
Dibromopropane			A	M	O	
1,4-Dibromo-2-butene			A	M	R	
2,6-Di-t-Butylpyridine		A	M	O		
2,3-Dichloro Allyl Alcohol			A	M	O	
Dichlorobenzene			A	M	O	X
1,2-Dichloroethane			A	M	O	X
Dichloroethylene			A	M	O	X
2,3-Dichloro-1-propene	76-88-6		A	M	O	X
1,3-Dicyclohexyl Carbodiimide	538-75-0		A	M	O	
Dicyclopropyl Ketone						
Diethylaluminum cyanide (1.0M in tol.)						
Diethyl Carbonate			A	M	O	X
Diethyl Chlorophosphate			A	M	O	X
Diethylcyanomethyl Phosphate	2537-48-6		A	M	O	
Diethyldiallylmalonate						
Diethyl Fumarate			A	M	O	

Diethylmalonate	105-53-3	A	M	O	
Diethyl-d-Tartrate	13811-71-7	A	M	O	
Diethyl-l-Tartrate	87-91-2	A	M	O	
(+)-Dihydrocarvone	7764-50-3			O	
Dihydrocoumarin					
3,4-Dihydro-2H-Pyran(DHP)	110-87-2	A	M	O	
1,2-Diodoethane		A	M	R	
1,3-Diodopropane					
Dimethoxymethane		A	M	R	X
Diisobutylaluminum Hydride	1191-15-7	A	M	O, H	X
Diisopropyl Amine		A	M	O	X
Diisopropyl Ethylamine (Hunig's base)	7087-68-5	A	M	O	
1,3-Dimethoxybenzene					
1,2-Dimethoxy Ethane		A	M	O	
2, 2-Dimethoxy Propane	77-76-9	A	M	O	
Dimethoxytrityl chloride		A	M	D	
Dimethylacetylene dicarboxylate		A	M	R	
4-Dimethylamino Pyridine	1122-58-3	A	M	O	
Dimethyl aminopropylamine					X
4,4-Dimethyl-2-cyclohexene-1-one					
N,N-Dimethylaniline					X
N, N-Dimethyl Formamide		B	M	O	X
Dimethyl glutarate	1119-40-0	A	M	O	
2,6-Dimethyl-2,6-heptadien-1-ol		A	M	R	
2,6-Dimethyl-4-heptanone		A	M	O	
Dimethyl Malonate	108-59-8	A	M	O	
Dimethyl(2-oxapropyl)phosphate					
1,3-Dimethyl pyrimidone (DMPU)					
Dimethyl Sulfoxide		A	M	O	

Dimethyl-d6 Sulfoxide			A	M	D	
2,4-Dinitrobenzoic acid						
1,4 Dioxane			A	M	O	X
Diphenylmethane						X
1,3-Dithiane			A	M	O	
Docosanoic Acid			A	M	O	
1,12-Dodecanediol	5675-51-4		A	M	O	
Epibromohydrin			A	M	O	
Epichlorohydrin	106-89-8		A	M	O	X
Eshenmosher's Salt	33797-51-2		A	Y	O	
2-Ethoxy--2-cyclohexen-2-one						
Ethoxymethyltriphenylphosphonium chloride						
Ethyl Acetoacetate	141-97-9		A	M	O	X
Ethyl Alcohol			A	M	O	X
Ethyl Benzoate			A	M	O	
Ethyl Bromide	74-96-4	A	M	O	X	
Ethyl-2-bromopropionate			A	M	O	
Ethyl-2-butynoate						
Ethyl chloroformate						X
Ethyldiazoacetate			A	M	R	
Ethylene Bromide			B	M	O	X
Ethylene Diamine			A	M	O	
Ethylene Glycol			A	W	O	
Ethyl Ethynyl Ether			A	M	R	
Ethyl Formate	109-94-4		A	M	O	X
Ethyl DL-2-Hydroxycaproate	6946-90-3		A	M	O	
Ethyl Iodide			A	M	R	
Ethyl Isovalerate			A	M	O	
(S)-(-)-Ethyl Lactate	687-47-8		A	M	O	X

Ethyl Malonate		A	M	O	
Ethyl-ortho-acetate		A	M	O	
Ethyl phenylacetate					
Ethyl Propiolate	623-47-2	A	M	R	X
Ethyl Triphenylphosphonium Bromide	1530-32-1	A	M	D	
Ethyl Vinyl Ketone	1629-58-9	A	M	R	
Farnesol					
Ferric Chloride		A	M	I	
Ferric nitrate					
Ferrous sulfate					
Fluorene		A	M	O	
Fluorenone					
Fumaric Acid		A	M	O	X
Furfural		A	M	O	
D-Galactose	59-23-4	A	M	O	
D-Galacturonic acid hydrate					
Geraniol					
D-Glucoheptonic-g-lactone					
d-Gluconolactone					
a-d-Glucose (see Dextrose)					
D-Glucurono-6,3-lactone	32449-92-6	A	M	O	
D-Glutamic Acid		A	M	O	
Glutaric Acid		A	M	O	
Glutaric dialdehyde		B	M	H	
Glutaryl dichloride					
Glycolic Acid		B	M	O	
Glyoxalic acid monohydrate					
L-Gulonic g-lactone	1128-23-0	A	M	R	
L-Gulonic g-lactone tetrabenzoate					R

Heptanal (Hepataldehyde)			A	M	O	
1,6-Hepatadiene						
1,6-Heptadien-4-ol						
1,7-Heptanediol	629-30-1		A	M	O	
Heptonic-lactone-O-glycero-L-manno						
4-Heptanone	123-19-3		A	M	O	X
n-Heptyl Alcohol			A	M	O	
2-Heptyn-1-ol						
1,16-Hexadecanediol	23079-20-1		A	M	O	
hexadecanol (see cetyl alcohol)						
Hexamethyldisilazane			A	M	O	
Hexamethylphosphoramidate	680-31-9		A	Y	O	X
2,5-Hexanedione			A	M	O	
Hexanes			C	W	O	X
4-Hexen-3-one						
5-Hexen-2-one	109-49-9		A	M	O	
Hexyltriphenylphosphonium Bromide	4762-26-9		A	M	O	
5-Hexene-1-ol	821-41-0	A	M	O		
5-Hexyne-1-ol	928-90-5	A	M	O		
5-Hexynenitrile			A	M	R	
Hydrazine Monohydrate			A	M	I, H	X
Hydrochloric Acid	7647-01-0		B	M	O	X
Hydrochloric Acid (100%)			A	M	O	X
Hydrocinnamaldehyde		A	M	O		
Hydrofluoric Acid (49%)			A	M	O	X
Hydrogen Peroxide (30%)	7722-84-1		A	M	R	X
Hydrogen Chloride 1M in ET ₂ O			A	Y	I	X
(2-Hydroxyethyl) Triphenylphosphonium Bromide			A	M	O	
Hydroxylamine Hydrochloride			A	M	O	

Hydroxybenzotriazole hydrate					
3-Hydroxypropionitrile					X
(R)-3-Hydroxy-4,4,4-trichlorobutyric b-lactone					
Imidazole		A	M	O	
Iodine					X
Iodobenzoic acid					
Iodoacetic acid		A	M	R	
Iodobutane		A	M	R	
Iodic acid					
1-Iododecane		A	M	O	
1-Iododecane distilled		A	M	R	
Iodoform		A	M	O	X
1-Iodoheptane					
2-Iodo-2-methylpropane		A	M	R	
Iron sulfate (hydrate)					
Isobutyric Acid	107-92-6	A	M	O	
Isodecyl acrylate					
Isopropyl Acetate		A	M	O	X
1,2-0-Isopropylidene-D-xylofuranose	20031-21-4	A	M	R	
Jasmone					
Isovaleraldehyde	590-86-3	A	M	R	
Lactic Acid		A	M	O	
Lauroyl chloride					
Lead Tetraacetate		A	M	R	
d (-) Levulose		A	M	O	
Lithium Aluminum Hydride (pellets)	16853-85-3	A	M	D	X
Lithium Acetylide, ethylenediamine complex	6867-30-7	A	M	D	
Lithium Bis-trimethylsilyl amide					
Lithium Bromide (anhydrous)	7550-35-8	A	M	D	

Lithium Chloride					
Lithium Chloride hydrate					
Lithium Diisopropylamide (2M)		A	M	R	
Lithium tri-t-butoxy Alumino Hydride		A	Y	O	
Li Wire in Xylenes		A	M	I	X
d-Lyxose	1114-34-7	A	M	O	
Magnesium metal and powder	7439-95-4	A	M	I	X
Magnesium Sulfate		A	D	I	
Maleic Acid		A	M	O	
Maleic Anhydride					
d-Malic Acid		A	M	O	
dl-Malic Acid		A	M	O	
l-Malic Acid	97-67-6	A	M	D	
l-Malic acid-dimethyl estate		A	M	O	
d-Mannitol		A	M	O	
L-Mannonic g-lactone	22430-23-5	A	M	O	
d-Mannose		A	M	O	
(-)-Menthone	10458-14-7	A	M	O	
2-Mercaptopyridine-N-Oxide, Sodium Salt Hydrate		A	M	O	
Mercuric acetate					X
Mercuric bromide					
Mercuric chloride					X
Mercuric Sulfate					
2-Mesitylenesulfuryl chloride		A	M	D	
Mesitylene sulfonyltetrazolide		A	M	D	
Mesityl oxide					X
Methanesulfonyl chloride		A	M	R	
Methallyl chloride					X
Methanol					X

Methoxylamine Hydrochloride	593-56-6	A	M	D	
o-Methoxybenzaldehyde		A	M	O	X
p-Methoxybenzaldehyde		A	M	O	
4-Methoxybenzyl Chloride	824-94-2	A	M	R	
(S)-a-Methoxy-a-trifluoromethylphenylacetic Acid		A	M	R	
4-Methoxy-3-buten-2-one		A	M	R	
Methyl acrylate		A	M	R	X
Methyl Bromoacetate		A	M	R	
Methyl Butyraldehyde					
Methyl Cinnamate					
Methyl Chloroformate		A	M	R	X
Methyl Chloroacetate					X
3-Methyl-2-Cyclohexen-1-one					
2-Methyl-1,3-Cyclohexendione					
2-Methyl Cyclohexanone					
3-methylcyclopentanone					
Methyl-dichloroacetate					
Methyl diethylphosphonoacetate					
Methyl 3,3-Dimethoxypropionate	7424-91-1	A	M	O	
Methylene Chloride	75-09-2	C	D	O	X
Methyl formate					X
Methyl-a-d-Glucopyranoside	97-30-3	A	M	O	
3-O-Methylglucose	13224-94-7	A	M	O	
6-Methyl-5-hepten-2-one					
2-Methyl-3-Heptanone	13019-20-0	A	M	O	
5-Methyl-3-Heptanone	541-85-5	A	M	O	
2-Methyl-3-Hexanone	7379-12-6	A	M	O	
Methyl Iodide		A	M	R	X
Methyl Lithium 1.5M		A	M	R	

Methyl mercaptan				H	X
Methylmagnesium Bromide (1.5M)		A	M	R	
Methyl Mandelate	4358-87-6	A	M	O	
2-Methyl-1,4-naphthoquinone		A	M	O	
Methyl-2-oxo-1-cycloheptane Carboxylate	52784-32-4	A	W	D	
Methyl-2-oxocyclopentane Carboxylate		A	M	R	
2-Methyl-1-pentene		A	M	R	X
Methyl- <i>p</i> toluenesulfonate					X
Methylphenylphosphoniumbromide		A	M	D	
2-Methyl-2-Propen-1-ol	513-42-8	A	M	O	X
Methyl pyrrolecarboxylic acid					
Methyl Sulfide (DMS)		A	M	O, H	
Methyltriphenylphosphonium Bromide	1779-49-3	A	M	O, D	
Methyl(triphenylphosphoranylidene)acetate	2605-67-6	A	M	O	
2-Methylundecanal					
Methyl Vinyl ketone				R	X
Morpholine		A	M	O	X
Mucic acid					
(1R)-(-)-Myrtenal	564-94-3			O	
Nickel(II) chloride					
Nitric Acid	7697-37-2	B	M	O	X
Nitrobenzene	98-95-3	A	M	O	X
Nitromethane	79-24-3	A	M	O	X
<i>p</i> -Nitrophenyl hydrazine		A	M	O	
3-Nonen-2-one				R	
2,4-Nonadienal		A	M	R	
(1R)-(+)-Nopinone	38651-65-9			R	
5-Norbornene-2-carboxaldehyde					
Norborneol		A	M	O	

Norcamphor	497-38-1		A	M	O	
1,8-Octanediol	629-41-4	A	M	O		
2-Octanone			A	M	O	
1-Octene			A	M	O	X
Oxalic Acid	144-62-7		A	M	O	X
Oxacyclotridecan-2-one						
Oxalyl Chloride			A	M	O, H	
Osmium Tetroxide			A	M	R	X
Palladium on Activated Carbon (10%)			A	M	D, I	
Palladium on BaSO ₄			A	M	D	
Palladium on Calcium Carbonate			A	M	O	
Paraformaldehyde			A	M	O	
n-Pentane	109-66-0		B	M	O	X
1,4-Pentadien-3-ol						
2,4-Pentanedione	123-54-6		A	M	O	X
1,5-Pentanediol			A	M	O	
3-Pentanone			B	M	O	
Pentaerythritol			B	M	O	
2-Pentene (cis-trans)			A	M	O	
3-Pentyne-1-ol	10229-10-4	A	M	O		
4-Pentyne-1-ol		A	M	O		
Periodic Acid			A	M	I	
Petroleum Ether			A	M	O	X
Phenethyl Alcohol			A	M	O	
Phenol	108-95-2	A	M	O	X	
Phenolphthalein			A	M	O	
Phenylacetonitrile			A	M	O	
2-Phenylacetophenone			A	M	O	
trans-4-Phenyl-3-Buten-2-one						

Phenylcyclohexanone		A	Y	O		
Phenyl disulfide						
p-Phenylenediacetic Acid		A	M	O		
1-Phenyl-5-hexen-1-one						
Phenyl Lithium 2.0M		A	M	O		
Phenylmagnesium bromide						
Phenyl N-phenylphosphoramido chloridate		A	M	D		
1-Phenyl-1,2-propandione		A	M	D		
2-Phenylpropionaldehyde						
Phenylselenyl chloride		A	M	D		
Phenylthiotrimethylsilane						
Phosphomolybdic Acid		A	M	O		
Phosphoric Acid Crystals	7664-38-2	A	M	R	X	
Phosphorus						X
Phosphorus Oxychloride		A	M	O	X	
Phosphorus Pentachloride	10026-13-8	A	M	D, H	X	
Phosphorus Pentoxide		A	Y	I		
Phosphorus tribromide						
Phosphorus Trichloride		A	M	O	X	
Phthalic Anhydride	85-44-9	A	M	O	X	
b-Pinene		A	M	O		
Polymethyl Hydrosiloxane	9004-73-3	A	M	O		
Potassium Bisulfate		B	M	I		
Potassium Bis (trimethylsilyl) amide		A	M	R		
Potassium t-Butoxide		A	M	I		
Potassium Bromate						
Potassium Carbonate		A	M	I		
Potassium Chloride						
Potassium Fluoride						

Potassium Hydride	7693-26-7	A	M	I	
Potassium Hydroxide		B	D	I	X
Potassium Iodide		A	M	I	
Potassium Permanganate	7722-64-7	A	M	I	X
Potassium Sodium Tartrate Tetrahydrate	6381-59-5	A	M	O, check fridge too	
Potassium Sulfite		A	M	I	
1,3-Propanediol					
1-Propanol		A	M	O	
2-Propanol		A	M	O	X
Propargyl Alcohol-THP Ether		A	M	O	X
Propargyl Bromide	106-96-7	A	M	R	X
Propionaldehyde	123-38-6	A	M	O	X
Propionic acid				X	
Propylamine		A	M	R	
Propylene Oxide		A	M	R	X
2-Propyne-1-ol		A	M	O	
Pyridine		A	M	O	
Pyridinium Chlorochromate (PCC)		A	M	O	
Pyridinium Dichromate		A	M	O	
Pyridinium <i>p</i> -toluenesulfonate					
(s)-(-)-Pyrrolidine Methanol	235696-96-9	A	Y	O	
Pyrrolidine	123-75-1	A	M	O	X
(s)-(+)-2-Pyrrolidine-methanol	23356-96-9	A	M	D	
Quinoline		A	M	O	X
d(+) Raffinose (hydrate)		A	M	O	
Raney nickel			D		
D-(+)-Ribonic g-lactone	5336-08-3	A	M	O	
d-Ribose		A	M	O	
Ruthenium(III) chloride					

Ruthenium(IV) Oxide Ru 58%		A	M	D	
Ruthenium(IV) Oxide Hydrate	32740-79-7	A	M	D	
Saccharic acid, Na salt					
Salicylaldehyde					
Salicylic acid					
Samarium Metal (powder)		A	M	D	
Sand washed and dried		A	M	I	
Silica Gel		A	M	I	X
Silver Nitrate		A	M	I	X
Silver tetrafluoroborate		A	M	D	
Sodium (metal)		A	M	I	X
Sodium Acetate anhydrous		A	M	I	
Sodium Acetylide		A	M	O	
Sodium azide					X
Sodium Bicarbonate		B	M	O	
Sodium Borohydride		A	M	I	
Sodium Carbonate		B	M	I	
Sodium Chloride		B	M	I	
Sodium Cyanide		A	M	I	X
Sodium Hydride	7646-69-7	A	M	I	X
Sodium Hydroxide	1310-73-2	B	M	I	X
Sodium Iodide	A	M	I		
Sodium Methoxide		A	M	I	
Sodium Oxalate		A	M	I	
Sodium Periodate (meta)		A	M	I	
Sodium Potassium tartrate (Rochelle's salt)		B	M	I	
Sodium Sulfate anhydrous		B	M	I	
Sodium Sulfate 10H ₂ O		B	M	I	
Sodium Thiosulfate		A	M	I	

Sulfur trioxide-DMF complex		A	M	R		
Strontium nitrate						X
Styrene						X
Styrene oxide						X
Sulfuric Acid	7664-93-9		B	M	O	X
Succinic Anhydride			A	M	O	
Sulfuryl chloride			A	M	D	X
dl-Tartaric Acid			B	M	O	
Tebbe reagent (0.5M in tol.)						
Tetrabutyl Ammonium Fluoride			A	M	O	
Tetrachlorethane			A	M	O	X
1,2,2,3-Tetrachloropropane			A	M	O	
Tetracosanedioic acid	2450-31-9		A	M	O	
2,3,4,6-Tetrabenzylglucose			A	M	R	
Tetrahydrofuran	109-99-9		B	D	O	X
Tetrahydrofurfuryl alcohol			A	M	O	X
Tetrahydro-2-furoic acid						
Tetrahydronaphthylene			A	M	O	
Tetrahydropyran-2-methanol						
(Ph ₃) ₄ Pd(0)	14221-01-3		A	M		R, homemade see Enholm
N,N,N',N'-Tetramethylethylenediamin	110-18-9		A	M	O	
Tetramethyl Silane			A	M	R	
Thionyl Chloride			A	M	H	X
Thiophenol	108-98-5		A	M	H	
(-)-Thujone	1125-12-8				O	
Thymine						
Tiglaldehyde			A	M	O	
Tin						X
Tin (II) Chloride			A	M	I	

Tin (IV) Chloride		A	M	I	
Titanium Isopropoxide	546-68-9	A	M	O	
Titanium Tetrachloride		A	M	I	X
Toluene	108-88-3	B	M	O	X
Toluene-d8		A	M	O	
Toluenesulfonic acid					X
Toluenesulfonyl Hydrazide		A	M	O	
Toluenesulfonyl Chloride		A	M	O	
1,2,4-Triazole					
Tribenzy Levoglucosan				O	
Tri-acetyl-D-glucal		A	M	D	
Tributylamine					X
Tributyltin Chloride	1461-22-9	A	M	O	
Tributylphosphine					
Tributyl Tin Deuteride			R		
Tributyltin Hydride		A	M	R	
Triethylamine		A	M	O	X
Triethylphosphite					
Triethyl orthoacetate					
Triethylsilyl trifluoromethanesulfonate					
Trifluoroacetic Acid-d		A	M	O	
Trifluoromethanesulfonic anhydride					
1,3,5-Triisopropylbenzene	717-74-8	A	M	O	
Trimethyl Orthoformate		A	M	O	
Trimethyl Phosphite		A	M	O	
Trimethylsiloxy-4-trifluoromethylbenzene					
Trimethylsilyl Acetylene		A	M	R	
TMS-Cl (see chloro...)					X
Trimethylsilyl Ethanol		A	M	O	

Trimethylsilyl propionic acid, sodium salt			A	M	D	
Trimethyl Sulfoxonium Iodide						
Trimethyl Tin Chloride			A	M	D	X
Triphenyl(benzyloxy)phosphonium chloride						
Triphenyl(cyclohexylmethyl)phosphonium iodide						
Triphenyl-n-heptylphosphonium bromide						
Triphenyl(2-hydroxy-3-butenyl)phosphonium bromide						
Triphenyl(4-methoxybenzyl)phosphonium chloride						
Triphenylmethane						X
Triphenylmethylphosphonium iodide						
Triphenyl Phosphine			A	M	O	X
Triphenylphosphine oxide						
Triphenylphosphoranylidine acetaldehyde			A	M	O	
Triphenylphosphoranylidine-2-propanone	1439-36-7	A	M	homemade		
Triphenyl Tin Hydride	892-20-6	A	M	R		
Triphosgene			A	M	R	
Tri-O-toluyyl phosphine						
Tri(2,2,2-trifluoro Ethyl Phosphite			A	M	D	
6-Undecanone						
Valeraldehyde	110-62-3		A	M	O	X
d-Valevolactone	542-28-9		A	M	O	
(S)-Verbenone						
Vinyl Bromide 98%	593-60-2		A	M	R	X
Vinyl Magnesium Bromide			A	M	R	
Xylenes	1330-20-7		A	M	O	X
d-Xylose	58-86-6		A	M	O	
Zinc (metal)			A	M	I	X
Zinc Chloride			A	M	I	
Zinc iodide			A	M	O	

