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Reagents and Solvents

AgNO <sub>3</sub>	Silver Nitrate	6	H <sub>3</sub> PO <sub>4</sub>	Phosphoric acid	59
Ag <sub>2</sub> O	Silver Oxide	7	H <sub>2</sub> SO <sub>4</sub>	Sulfuric acid	60
AIBN	[2,2'-Azobis(2-methyl propionitrile)]	8	I <sub>2</sub>	Iodine	61
AlBr <sub>3</sub>	Aluminum Bromide	9	KMnO <sub>4</sub>	Potassium permanganate	63
AlCl <sub>3</sub>	Aluminum chloride	10	KCN	Potassium cyanide	22
BF <sub>3</sub>	Boron Trifluoride	12	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Potassium dichromate	47
BH <sub>3</sub>	Borane	13	KOH	Potassium hydroxide	89
Br <sub>2</sub>	Bromine	15	KO <sup>t</sup> -Bu	Potassium <i>t</i> -butoxide	66
BsCl	<i>p</i> -bromobenzene sulfonyl chloride	18	KPhth	Potassium Phthalimide	67
CCl <sub>4</sub>	Carbon Tetrachloride	147	LDA	Lithium diisopropyl amide	68
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	147	Li	Lithium	69
Cl <sub>2</sub>	Chlorine	19	Lindlar's Catalyst		71
CN	Cyanide ion	22	LiAlH <sub>4</sub>	Lithium aluminum hydride	72
CrO <sub>3</sub>	Chromium trioxide	23	LiAlH(O <sup>t</sup> -Bu) <sub>3</sub>	Lithium tri <i>tert</i> -butoxy aluminum hydride	74
CuBr	Copper (I) Bromide	25	<i>m</i> -CPBA	<i>m</i> -chloroperoxy benzoic acid	75
CuCl	Copper (I) Chloride	26	Mg	Magnesium	77
CuI	Copper (I) Iodide	27	MsCl	Methanesulfonyl chloride	78
DCC	<i>N,N</i> -dicyclohexane carbodiimide	28	NaN <sub>3</sub>	Sodium azide	79
DMF	<i>N,N'</i> -Dimethylformamide	147	Na	Sodium	80
DMS	Dimethyl sulfide	29	NaBH <sub>4</sub>	Sodium borohydride	82
DMSO	Dimethyl sulfoxide	147	NaBH(OAc) <sub>3</sub>	Sodium triacetoxo borohydride	84
CH <sub>2</sub> N <sub>2</sub>	Diazomethane	30	NaCNBH <sub>3</sub>	Sodium cyanoborohydride	85
D	Deuterium	31	NaCN	Sodium cyanide	22
DIBAL	Di-isobutyl aluminum hydride	32	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Sodium dichromate	47
DMP	Dess-Martin Periodinane	34	NaH	Sodium Hydride	86
Et <sub>2</sub> O	Diethyl ether	147	NaIO <sub>4</sub>	Sodium periodate	87
Fe	Iron	35	NaNH <sub>2</sub>	Sodium amide	88
FeBr <sub>3</sub>	Iron (III) Bromide	36	NaOH	Sodium hydroxide	89
FeCl <sub>3</sub>	Iron (III) chloride	38	NaO <sup>t</sup> -Bu	Sodium <i>t</i> -butoxide	66
Grignard Reagents		39	NBS	<i>N</i> -Bromosuccinimide	90
H <sub>2</sub>	Hydrogen	42	NCS	<i>N</i> -Chloro Succinimide	92
HBr	Hydrobromic acid	43	NIS	<i>N</i> -Iodo Succinimide	93
HCl	Hydrochloric acid	45	NH <sub>2</sub> OH	Hydroxylamine	94
H <sub>2</sub> CrO <sub>4</sub>	Chromic acid	47	NH <sub>3</sub>	Ammonia	95
Hg(OAc) <sub>2</sub>	Mercuric Acetate	49	NH <sub>2</sub> NH <sub>2</sub>	Hydrazine	96
HgSO <sub>4</sub>	Mercuric Sulfate	51	Ni <sub>2</sub> B	Nickel boride	97
HI	Hydroiodic acid	52			
HIO <sub>4</sub>	Periodic acid	54			
HONO	Nitrous Acid	55			
HNO <sub>3</sub>	Nitric Acid	56			
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RLi	Organolithium reagents	101	PPh <sub>3</sub>	Triphenylphosphine	114
OsO <sub>4</sub>	Osmium tetroxide	104	Pyridine		115
Pb(OAc) <sub>4</sub>	Lead tetraacetate	105	Ra-Ni	Raney Nickel	116
PBr <sub>3</sub>	Phosphorus tribromide	106	RO-OR	Peroxides	117
PCl <sub>3</sub>	Phosphorus trichloride	107	SO <sub>3</sub>	Sulfur trioxide	118
PCl <sub>5</sub>	Phosphorus Pentachloride	108	SOBr <sub>2</sub>	Thionyl bromide	119
P <sub>2</sub> O <sub>5</sub>	Phosphorus pentoxide	109	SOCl <sub>2</sub>	Thionyl chloride	120
Pd/C	Palladium on carbon	110	Sn	Tin	121
Pt	Platinum	111	TBAF	Tetrabutyl ammonium fluoride	122
			THF	Tetrahydrofuran	147
			TMSCl	Trimethylsilyl chloride	123
			TsCl	<i>p</i> -Toluenesulfonyl chloride	124
			TsOH	<i>p</i> -Toluenesulfonic acid	125
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