

## 138 in total

Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Umicore Hoveyda-Grubbs Catalyst M700		Ru	17	203714-71-0	3000087581
Umicore Grubbs Catalyst M102	$\text{Ru}(\text{PCy}_3)_2(\text{benzylidene})\text{Cl}_2$	Ru	12	172222-30-9	3000083766
Umicore Grubbs Catalyst M204	$(\text{SI}(\text{Mes})\text{Ru}(\text{PCy}_3)(\text{benzylidene})\text{Cl}_2)$	Ru	12	246047-72-3	3000083765
Umicore Hoveyda-Grubbs Catalyst M720		Ru	16	301224-40-8	3000083645
Chiralyst P663	$[\text{Ir}(\text{cod})(\text{OMe})_2]$	Ir	58	12148-71-9	3000083681
Umicore CX200	$[\text{Pd}(1\text{-}^t\text{Bu-Ind})\text{Cl}]_2$	Pd	34	1779569-01-5	3000083281
Umicore CX201	$[\text{Pd}(1\text{-}^t\text{Bu-Ind})(\text{P}(^t\text{Bu})_3)\text{Cl}]$	Pd	21	1779569-15-1	3000083282
Umicore CX33	$[(\text{IPr}^*)\text{Pd}(\text{cinnamyl})\text{Cl}]$	Pd	9	1380314-24-8	3000036301
Umicore HS161	$[\text{Pt}(\text{Me})_3(\text{CpMe})]$	Pt	61	94442-22-5	3000036015
Umicore Hoveyda-Grubbs Catalyst M2001		Ru	16	1352916-84-7	3000083181

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Umicore Precious Metals Chemistry USA, LLC

1305 Main Parkway  
Catoosa, OK 74015  
Tel. +1 (918) 266 4826  
phillip.chalabi@am.umicore.com

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Umicore Hoveyda-Grubbs Catalyst M2002		Ru	15	1451807-77-4	3000083086
Umicore Grubbs Catalyst M802	(SI Mes) <sub>2</sub> Ru(butenylidene) Cl <sub>2</sub>	Ru	12		3000083085
Umicore Grubbs Catalyst M801	(SI Mes) <sub>2</sub> Ru(benzylidene) Cl <sub>2</sub>	Ru	12	508172-19-8	3000083057
Chiralyt Ru1042	[RuCl( <i>p</i> - -cymene)(S)-Xyl- BINAP)]Cl	Ru	9	1345887-44-6	3000020710
Umicore Grubbs Catalyst M207	( SI Mes) Ru(PCy <sub>3</sub> ) (butenylidene)Cl <sub>2</sub>	Ru	12	253688-91-4	3000082849
Umicore Grubbs Catalyst M240	(S IMe s)Ru[P Ph <sub>2</sub> (OMe)](Ind)Cl <sub>2</sub>	Ru	11	2016028-91-2	3000082848
Umicore Hoveyda-Grubbs Catalyst M722		Ru	14	635679-24-2	3000082874
Umicore Grubbs Catalyst M520		Ru	16	1014701-61-1	3000034571
Umicore Hoveyda-Grubbs Catalyst M721		Ru	18	927429-61-6	3000082888
Umicore Grubbs Catalyst M330		Ru	15	1203589-76-7	3000021048

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Umicore Grubbs Catalyst M311	(SIPr)Ru(py)(Ind)Cl <sub>2</sub>	Ru	12	1304756-39-5	3000036122
Umicore Grubbs Catalyst M103	Ru(PCy <sub>3</sub> ) <sub>2</sub> (butenylidene)Cl <sub>2</sub>	Ru	13	194659-03-5	3000036127
Chiralyst Ru918	[RuCl(p-cymene)(S)-SEGPHOS]Cl	Ru	11	944451-29-0	3000080085
MTO	CH <sub>3</sub> ReO <sub>3</sub>	Re	75	70197-13-6	3000028469
Umicore Grubbs Catalyst M230	(S)IMEs)Ru[PPh <sub>2</sub> (OPh)](Ind)Cl <sub>2</sub>	Ru	11	1817799-58-8	3000026159
Umicore CX34	[(IPr*OMe)Pd(cinamyl)Cl]	Pd	9	1454680-44-4	3000027544
	[(IMes)AuCl]	Au	36	852445-81-9	3000023802
Chiralyst P468	[Rh(cod) <sub>2</sub> ]CF <sub>3</sub> SO <sub>3</sub>	Rh	22	99326-34-8	3000034548
Chiralyst Ru1321	[Ru(SL-M001-1)(C <sub>7</sub> H <sub>11</sub> )(N-AcCN)]BF <sub>4</sub> ·2HBF <sub>4</sub>	Ru	8		3000036106
Umicore Grubbs Catalyst M322		Ru	15	1416427-09-2	3000034579
Chiralyst P280	[Ru(cod)Cl <sub>2</sub> ] <sub>n</sub>	Ru	36	50982-12-2	3000036087
	Ru(PPh <sub>3</sub> ) <sub>2</sub> (Ind)Cl	Ru	12	1360949-97-8	3000036089
Umicore CX62	[Pd(dippf)(vs)tol]	Pd	4	1708984-17-1	3000036052
Umicore Grubbs Catalyst M910		Ru	15	1415725-62-0	3000036076
	[Ru(Cp)(CO) <sub>2</sub> ] <sub>2</sub>	Ru	46	12132-87-5	3000036126

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Umicore HS432	[(ICy)Pt(vs)]	Pt	32	400758-55-6	3000034504
Umicore HS425	[(IPr)Pt(vs)]	Pt	25	849830-54-2	3000034503
Chiralyst Ru867		Ru	12	1016168-44-7	3000034572
	${}_{7}\text{H}_{11}(\text{N-AcCN})\text{BF}_4$				
Chiralyst Ru1013	[Ru(SL-T001-1)(C <sub>7</sub> H <sub>11</sub> )(N-AcCN)]BF <sub>4</sub>	Ru	10	942042-51-5	3000036104
Chiralyst Ru929	[RuCl( <i>p</i> -cymene)(R)-BINAP]Cl	Ru	11	145926-28-9	3000036083
Chiralyst Rh740	[Rh[(R,R)-DIPAMP](nbd)]BF <sub>4</sub>	Rh	14	894423-88-2	3000036067
Chiralyst Rh757	[Rh[(S,S)-DIPAMP](cod)]BF <sub>4</sub>	Rh	14	71423-54-6	3000036059
Chiralyst Rh986	[Rh(SL-T001-1)(cod)]BF <sub>4</sub>	Rh	10	673458-84-9	3000036063
Umicore Grubbs Catalyst M350		Ru	12	934538-12-2	3000034564
Umicore Grubbs Catalyst M810		Ru	11	1228169-92-3	3000036143
	[Ir(cod) <sub>2</sub> ]BF <sub>4</sub>	Ir	39	35138-23-9	3000034535
Umicore HS221	Pt(vs)hc	Pt	21	68478-92-2	3000036023
Umicore Grubbs Catalyst M920		Ru	14	1415725-73-3	3000036077

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Umicore Hoveyda-Grubbs Catalyst M710		Ru	14	1025728-56-6	3000034576
Umicore Grubbs Catalyst M930		Ru	15	1415725-68-6	3000036078
Umicore Grubbs Catalyst M310	[(SImes)Ru(py)(Ind)Cl <sub>2</sub> ]	Ru	14	1031262-76-6	3000034565
Umicore Grubbs Catalyst M201	(SIPr)Ru(PPh <sub>3</sub> )(Ind)Cl <sub>2</sub>	Ru	10	1307233-23-3	3000036123
Umicore Grubbs Catalyst M101	Ru(PCy <sub>3</sub> ) <sub>2</sub> (Ind)Cl <sub>2</sub>	Ru	11	250220-36-1	3000034559
Pd(PEPPSI)IPr	[(IPr)Pd(3-Clpy)Cl <sub>2</sub> ]	Pd	16	905459-27-0	3000036041
Umicore CX42	[(SIPr)PdCl <sub>2</sub> ] <sub>2</sub>	Pd	19	627878-09-5	3000034610
Chiralyst P618	[Rh(C <sub>5</sub> Me <sub>5</sub> )Cl <sub>2</sub> ] <sub>2</sub>	Rh	33	12354-85-7	3000034544
Umicore CX93	[Pd(dppf)Cl <sub>2</sub> ]	Pd	14	72287-26-4	3000034524
Umicore CX96	[Pd(dtbpf)Cl <sub>2</sub> ]	Pd	16	95408-45-0	3000034532
Chiralyst P1271	[Ir(cod) <sub>2</sub> ]BARF	Ir	15	666826-16-0	3000034534
Umicore HS302	Pt(cs)cs	Pt	2	68585-32-0	3000036016
Umicore CX32	(SIPr)Pd(cinnamyl)Cl	Pd	16	884879-24-7	3000034527
Umicore CX31	[(IPr)Pd(cinnamyl)Cl]	Pd	16	884879-23-6	3000034528
Umicore Grubbs Catalyst M323		Ru	13	1416427-12-7	3000034577
Umicore CX51	[(IPr)Pd(vs)]	Pd	16	478019-87-3	3000036038

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Chiralyst Ru1254	Ru(SL-W001-1)(C <sub>7</sub> H <sub>11</sub> )I	Ru	8	1021494-93-8	3000036107
Chiralyst P294	Rh(nbd)(acac)	Rh	34	32354-50-0	3000034612
Umicore HS206	Pt(vs)cs	Pt	3	68478-92-2	3000036028
Umicore HS156	[Pt(cyclohexene)Cl <sub>2</sub> ] <sub>2</sub>	Pt	56	60134-75-0	3000034507
Umicore CX52	[(IMes)Pd(vs)]	Pd	18	441018-46-8	3000036039
Umicore CX54	[(SIMEs)Pd(vs)]	Pd	18	1004291-85-3	3000036043
Umicore CX61	Pd(vs)c	Pd	10	252062-59-2	3000036051
Umicore Hoveyda-Grubbs Catalyst M711		Ru	12	1212008-99-5	3000036112
Chiralyst Ru636	Ru[(R,R)-TsDPE N]( <i>p</i> -cymene)Cl	Ru	16	192139-92-7	3000036096
Chiralyst Rh756	[Rh[(R,R)-DIPAM P](cod)]BF <sub>4</sub>	Rh	14	56977-92-5	3000036060
	[Ru(C <sub>5</sub> Me <sub>5</sub> )Cl <sub>2</sub> ] <sub>n</sub>	Ru	33	96503-27-4	3000036119
	Ru(nbd)Cl <sub>2</sub>	Ru	38	48107-17-1	3000034555
Chiralyst Ru880		Ru	12		3000036108
	<sub>7</sub> H <sub>11</sub> )(N-AcCN)]BF <sub>4</sub>				
Chiralyst Rh1110	[Rh(SL-T002-1)(cod)]BF <sub>4</sub>	Rh	10	827596-68-9	3000036064
Chiralyst Ru637	Ru[(S,S)-TsDPE N]( <i>p</i> -cymene)Cl	Ru	16	192139-90-5	3000036086

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Umicore DeRu33	$\text{Ru}(\text{C}_6\text{H}_8)(\text{C}_6\text{H}_6)$	Ru	39	12215-07-5	3000034575
Chiralyst P406	$[\text{Ru}(\text{CH}_3\text{CN})_3(\text{C}_7\text{H}_{11})]\text{BF}_4$	Ru	25	145271-55-2	3000034566
Chiralyst P379	$[\text{Ru}(\text{C}_7\text{H}_{11})(\text{C}_7\text{H}_4)]\text{BF}_4$	Ru	27	122260-79-1	3000036090
Chiralyst P291	$\text{Ru}(\text{C}_7\text{H}_{11})_2$	Ru	35	85908-78-7	3000034569
	$[\text{Pd}(\text{cod})\text{Cl}_2]$	Pd	37	12107-56-1	3000034509
	$[\text{Pd}(\text{allyl})\text{Cl}]_2$	Pd	58	12012-95-2	3000034516
Umicore CX23	$(\text{SIPr})\text{Pd}(\text{allyl})\text{Cl}$	Pd	19	478980-01-7	3000034526
Umicore CX22	$[(\text{IMes})\text{Pd}(\text{allyl})\text{Cl}]$	Pd	19	478980-04-0	3000034522
Fu catalyst	$[\text{Pd}(\text{P}(\text{tBu}_3)_2)]$	Pd	21	53199-31-8	3000034529
Chiralyst Rh1351	$[\text{Rh}(\text{SL}-$  $4$	Rh	8	827596-70-3	3000036062
Chiralyst Rh640	$\text{Rh}[(\text{S,S})\text{-TsDPE N}](\text{C}_5\text{Me}_5)\text{Cl}$	Rh	16	219944-99-7	3000036061
Chiralyst Ru1267	$[\text{Ru}(\text{SL}-\text{W008}-1)(\text{C}_7\text{H}_{11})(\text{N}-\text{AcCN})]\text{BF}_4$	Ru	8	1021494-98-3	3000036105
Chiralyst Ru1255	$[\text{Ru}(\text{SL}-\text{W001}-1)(\text{C}_7\text{H}_{11})(\text{N}-\text{AcCN})]\text{BF}_4$	Ru	8	1021494-95-0	3000036099
Chiralyst Ru1011	$7\text{H}_{11})\text{I}$	Ru	10	942042-52-6	3000036095

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Chiralyst Ru1012		Ru	10	942042-53-7	3000036093
	$_{7}H_{11}I$				
Chiralyst Ru928	$[RuCl(benzene)(S)-BINAP)]Cl$	Ru	12	126251-92-1	3000036092
Chiralyst Ru930	$[RuCl(p-cymene)(S)-BINAP)]Cl$	Ru	11	130004-33-0	3000036085
Chiralyst Rh639	$Rh[(R,R)-TsDPE N](C_5Me_5)Cl$	Rh	16	223392-99-2	3000036069
Chiralyst Rh1228	$[Rh(SL-$	Rh	8	673458-88-3	3000036066
	$_4$				
Chiralyst Rh840	$[Rh(SL-J002-1)(cod)]BF_4$	Rh	12	673458-86-1	3000036065
Chiralyst P1163	$[Ir(C_5Me_5)I_2]_2$	Ir	33	33040-12-9	3000034539
Chiralyst P797	$[Ir(C_5Me_5)Cl_2]_2$	Ir	48	12354-84-6	3000034538
Umicore HS152	$[Pt(cod)Cl_2]$	Pt	52	12080-32-9	3000034502
	$Ru(cod)(C_5Me_5)Cl$	Ru	27	92390-26-6	3000036118
Chiralyst P327	$Ru(cod)(OAc)_2$	Ru	31	133519-03-6	3000036082
Chiralyst P889	$[Ru(cod)(CF_3CO_2)_2]_2 \times n H_2O$	Ru	23	93582-31-1	3000034556
	$[Ru(C_6Me_6)Cl_2]_2$	Ru	30	67421-02-7	3000036114
Chiralyst P500	$[Ru(C_6H_6)Cl_2]_2$	Ru	40	37366-09-9	3000034568

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Chiralyst P612	[Ru( <i>p</i> -cymene)Cl <sub>2</sub> ] <sub>2</sub>	Ru	33	52462-29-0	3000034558
Chiralyst P978	[Ru( <i>p</i> -cymene)I <sub>2</sub> ] <sub>2</sub>	Ru	21	90614-07-6	3000034560
Chiralyst P1182	[Rh(cod) <sub>2</sub> ]BARF	Rh	8	404573-66-6	3000034551
Chiralyst P374	[Rh(nbd) <sub>2</sub> ]BF <sub>4</sub>	Rh	28	36620-11-8	3000034547
Chiralyst P461	[Rh(nbd)Cl] <sub>2</sub>	Rh	45	12257-42-0	3000034546
Chiralyst P407	[Rh(cod) <sub>2</sub> ]BF <sub>4</sub>	Rh	25	35138-22-8	3000034543
Chiralyst P493	[Rh(cod)Cl] <sub>2</sub>	Rh	41	12092-47-6	3000034545
Chiralyst P310	Rh(cod)(acac)	Rh	33	12245-39-5	3000034549
Umicore Grubbs Catalyst M510		Ru	15	1031262-71-1	3000034567
Umicore Grubbs Catalyst M220	[( SI Mes) Ru(P(O <sup>i</sup> Pr) <sub>3</sub> ) (Ind)Cl <sub>2</sub> ]	Ru	12	1255536-61-8	3000036115
Umicore Grubbs Catalyst M200	[( SI Mes) Ru(PPh <sub>3</sub> )(Ind)Cl <sub>2</sub> ]	Ru	11	340810-50-6	3000036116
Umicore Grubbs Catalyst M202	( SI Mes) Ru(PCy <sub>3</sub> )(Ind)Cl <sub>2</sub>	Ru	11	536724-67-1	3000034561
Pd(PEPPSI)(SIPr)	[(SIPr)Pd(3-Cl-py)Cl <sub>2</sub> ]	Pd	16	927706-57-8	3000036044
Umicore CX41	[(IPr)PdCl <sub>2</sub> ] <sub>2</sub>	Pd	19	444910-17-2	3000034518
Umicore CX21	[(IPr)Pd(allyl)Cl]	Pd	19	478980-03-9	3000034520

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Chiralyst Rh1119	[Rh(SL- 4	Rh	9	673458-82-7	3000034550
Umicore Hoveyda-Grubbs Catalyst M731		Ru	12	1212009-05-6	3000034573
Umicore Hoveyda-Grubbs Catalyst M730		Ru	13	1025728-57-7	3000034574
	[(IPr)AgCl]	Ag	20	873297-19-9	3000036004
	[(IPr)AuCl]	Au	32	852445-83-1	3000036006
	[Ru(mesitylene)C I <sub>2</sub> ]	Ru	35	52462-31-4	3000036124
Umicore HS426	(SIPr)Pt(vs)	Pt	25	873311-51-4	3000034501
Umicore HS203	Pt(vs)ipa	Pt	3	68478-92-2	3000036019
Umicore HS202	Pt(vs)x	Pt	2	68478-92-2	3000036018
Umicore HS220	Pt(vs)c type A	Pt	20	68478-92-2	3000036302
	[Pd <sub>2</sub> (dba) <sub>3</sub> ] x dba	Pd	16	51364-51-3	3000034523
Umicore CX95	[Pd(dppf)Cl <sub>2</sub> ] x (CH <sub>3</sub> ) <sub>2</sub> CO	Pd	14	851232-71-8	3000036045
	[Pd(cinnamyl)Cl] <sub>2</sub>	Pd	41	12131-44-1	3000034515
	[Ir(coe) <sub>2</sub> Cl] <sub>2</sub>	Ir	43	12246-51-4	3000034537
Umicore HS157	[Ir(cod)Cl] <sub>2</sub>	Ir	57	12112-67-3	3000034536
	[Ir(cod)(acac)]	Ir	48	12154-84-6	3000034611

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