

## 286 in total

Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Umicore CX135 - Pd(tBuXPhos)G3	Pd( <sup>t</sup> BuXPhos)G3	Pd	13.4	1447963-75-8	3000087791
Umicore Hoveyda-Grubbs Catalyst M700		Ru	17	203714-71-0	3000087581
Umicore CX136 - Pd(Xantphos)G3	Pd(Xantphos)[2-(2'-amino-1,1'-biphenyl)](Ms)	Pd	11	1445085-97-1	3000086860
Umicore CX133 - Pd(RuPhos)G3	Pd(RuPhos)[2-(2'-amino-1,1'-biphenyl)](Ms)	Pd	13	1445085-77-7	3000085984
Umicore CX123 - Pd(RuPhos)G2	Pd(RuPhos)[2-(2'-amino-1,1'-biphenyl)]Cl	Pd	14	1375325-68-0	3000085838
Umicore CX132 - Pd(XPhos)G3	Pd(XPhos)G3	Pd	13	1445085-55-1	3000085837
Umicore CX131 - Pd(SPhos)G3	Pd(SPhos)[2-(2'-amino-1,1'-biphenyl)](Ms)	Pd	14	1445085-82-4	3000085817
Umicore Grubbs Catalyst M102	Ru(PCy <sub>3</sub> ) <sub>2</sub> (benzylidene)Cl <sub>2</sub>	Ru	12	172222-30-9	3000083766
Umicore Grubbs Catalyst M204	(Si Mes) Ru(PCy <sub>3</sub> ) <sub>2</sub> (benzylidene)Cl <sub>2</sub>	Ru	12	246047-72-3	3000083765

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Umicore Hoveyda-Grubbs Catalyst M720		Ru	16	301224-40-8	3000083645
Chiralyt P663	[Ir(cod)(OMe)] <sub>2</sub>	Ir	58	12148-71-9	3000083681
Umicore CX200	[Pd(1- <sup>t</sup> Bu-Ind)Cl] <sub>2</sub>	Pd	34	1779569-01-5	3000083281
Umicore CX76	[Pd(PCy <sub>3</sub> ) <sub>2</sub> (OAc) <sub>2</sub> ]	Pd	14	59840-38-9	3000083340
Umicore CX201	[Pd(1- <sup>t</sup> Bu-Ind)(P( <sup>t</sup> Bu) <sub>3</sub> )Cl]	Pd	21	1779569-15-1	3000083282
Elyst Pt30 0690	Pt/Co alloy on carbon black	Pt	30	7440-06-4	3000026751
Umicore CX122 - Pd(XPhos)G2	Pd(XPhos)G2	Pd	13	1310584-14-5	3000036047
Umicore CX33	[(IPr*)Pd(cinnamyl)Cl]	Pd	9	1380314-24-8	3000036301
Umicore HS161	[Pt(Me) <sub>3</sub> (CpMe)]	Pt	61	94442-22-5	3000036015
Umicore Hoveyda-Grubbs Catalyst M2001		Ru	16	1352916-84-7	3000083181
Umicore Hoveyda-Grubbs Catalyst M2002		Ru	15	1451807-77-4	3000083086
Umicore Grubbs Catalyst M802	(SIMes) <sub>2</sub> Ru(butenylidene)Cl <sub>2</sub>	Ru	12		3000083085
Umicore Grubbs Catalyst M801	(SIMes) <sub>2</sub> Ru(benzylidene)Cl <sub>2</sub>	Ru	12	508172-19-8	3000083057
	RhI <sub>3</sub>	Rh	20	15492-38-3	3000034540

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Chiralyst 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
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
Umicore CX121 - Pd(SPhos)G2	Pd(SPhos)G2	Pd	15	1375325-64-6	3000081669
Umicore CX98	[ Pd(DPEphos)Cl <sub>2</sub> ]	Pd	15	205319-06-8	3000081575

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Pt(KNS) solution	$K_2[Pt(NO_2)_4]$ sol. in sulphuric acid	Pt	5	13815-39-9	3000036196
	$[Pd(HOCH_2CH_2NH_2)_4](NO_3)_2$ sol.	Pd	9		3000036232
	$[Pd(HOCH_2CH_2NH_2)_4](OAc)_2$ sol.	Pd	9	473828-45-4	3000036233
Pt(TAHC)	$[Pt(NH_3)_4](HCO_3)_2$	Pt	50.6	123439-82-7	3000036333
Pd/Pt EA solution type A14		Pt/Pd	8/2	68133-90-4	3000036290
Pd(TAA) solution	$[Pd(NH_3)_4](OAc)_2$ solution	Pd	20	61495-96-3	3000036315
Pd nitrate solution type P	$Pd(NO_3)_2$ solution type P	Pd	19	10102-05-3	3000036311
Rh nitrate solution low acid	$Rh(NO_3)_3$ solution low acid	Rh	8	10139-58-9	3000036259
Cisplatin	$[Pt(NH_3)_2Cl_2]$	Pt	68	15663-27-1	3000036274
Elyst Pt50 0690	Pt/Co alloy on carbon black	Pt	50	7440-06-4	3000028644
Chiralyst Ru918	$[RuCl(p\text{-cymene})(S)\text{-SEGPHOS}]Cl$	Ru	11	944451-29-0	3000080085
	$WOCl_4$	W	54	13520-78-0	3000022507
Umicore DeRu40	$Ru(EtCp)_2$	Ru	35	32992-96-4	3000036125
MTO	$CH_3ReO_3$	Re	75	70197-13-6	3000028469

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	W(CO) <sub>6</sub>	W	52	14040-11-0	3000024166
Elyst Pt20 0390	Pt on carbon black	Pt	20	7440-06-4	3000025128
Umicore Grubbs Catalyst M230	(S IMe s)Ru[P Ph <sub>2</sub> (OPh)](Ind)Cl <sub>2</sub>	Ru	11	1817799-58-8	3000026159
BTBMW	W( <sup>t</sup> BuN) <sub>2</sub> (NMe <sub>2</sub> ) <sub>2</sub>	W	44	406462-43-9	3000022073
Tungsten(V) chloride el. grade	WCl <sub>5</sub>	W	50	13470-14-9	3000022557
Umicore CX34	[(IPr <sup>*</sup> OMe)Pd(cin nanyl)Cl]	Pd	9	1454680-44-4	3000027544
Umicore CX71	[PdBr[P( <sup>t</sup> Bu <sub>3</sub> )]] <sub>2</sub>	Pd	27	185812-86-6	3000036049
	Mo(CO) <sub>6</sub>	Mo	36	13939-06-5	3000024167
Pt Black	Pt	Pt	98	7440-06-4	3000036169
Rh sulfate solution type PLA	Rh <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> solution	Rh	9	10489-46-0	3000024351
Pt EA solution type CC	(HOCH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> [Pt(OH) <sub>6</sub> ] sol.	Pt	9	68133-90-4	3000036199
Pd sulfate solution type S	PdSO <sub>4</sub> solution type S	Pd	8	13566-03-5	3000036228
Carboplatin	[Pt(NH <sub>3</sub> ) <sub>2</sub> (cbdc)]	Pt	53	41575-94-4	3000036132
Oxaliplatin	[Pt((R,R)-dach)(ox)]	Pt	49	61825-94-3	3000036133
Umicore CX82	[Pd(P( <sup>t</sup> Bu)Cy <sub>2</sub> ) <sub>2</sub> Cl <sub>2</sub> ]	Pd	16	104889-13-6	3000027105

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Pt-Tetrakis	[Pt(PPh <sub>3</sub> ) <sub>4</sub> ]	Pt	16	14221-02-4	3000022280
Rh(2-eh) solution type N	[Rh(C <sub>8</sub> H <sub>15</sub> O <sub>2</sub> ) <sub>3</sub> ] solution	Rh	2	20845-92-5	3000036074
Pt nitrate solution type H	Pt(NO <sub>3</sub> ) <sub>2</sub> solution type H	Pt	15-20	18496-40-7	3000036305
Pt(TAN) solution low Cl	[Pt(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub> solution	Pt	4	20634-12-2	3000036192
Pt nitrate solution type N	Pt(NO <sub>3</sub> ) <sub>2</sub> solution type N	Pt	10	18496-40-7	3000036306
Pd(TAN) solution type C	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub> solution	Pd	8	13601-08-6	3000036230
Arsenic(III) oxide	As <sub>2</sub> O <sub>3</sub>	As	76	1327-53-3	3000026297
	[(IMes)AuCl]	Au	36	852445-81-9	3000023802
CPA hydrate	H <sub>2</sub> [PtCl <sub>6</sub> ] x n H <sub>2</sub> O	Pt	40	26023-84-7	3000036286
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
Wilkinson's catalyst	Rh(PPh <sub>3</sub> ) <sub>3</sub> Cl	Rh	11	14694-95-2	3000034541
PDMAT	Ta(Me <sub>2</sub> N) <sub>5</sub>	Ta	45	19824-59-0	3000022750
	Rh(OAc) <sub>3</sub>	Rh	40	42204-14-8	3000022256
	[Pd(OOC <sup>t</sup> Bu) <sub>2</sub> ] <sub>3</sub>	Pd	35	106224-36-6	3000020655

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Elyst Pt50 0380	Pt on carbon black	Pt	50	7440-06-4	3000020703
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
Pt nitrate solution type HNA	Pt(NO <sub>3</sub> ) <sub>2</sub> solution type HNA	Pt	24	18496-40-7	3000036187
	Ru(PPh <sub>3</sub> ) <sub>2</sub> (Ind)Cl	Ru	12	1360949-97-8	3000036089
CCTBA	Co <sub>2</sub> (CO) <sub>6</sub> [HCC(C(CH <sub>3</sub> ) <sub>3</sub> ) <sub>3</sub> ]	Co	32	56792-69-9	3000020897
Umicore CX62	[Pd(dippf)(vs)tol]	Pd	4	1708984-17-1	3000036052
Elyst Pt50 0550	Pt on carbon black	Pt	50	7440-06-4	3000036158
TMGa	GaMe <sub>3</sub>	Ga	61	1445-79-0	3000036146
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
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
	<sub>7</sub> H <sub>11</sub> )(N-AcCN)]BF <sub>4</sub>				
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

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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
	[Au(en) <sub>2</sub> ]Cl <sub>3</sub>	Au	47	15278-22-5	3000034500
	[Ir(cod) <sub>2</sub> ]BF <sub>4</sub>	Ir	39	35138-23-9	3000034535
Umicore CX97	[Pd(Xantphos)Cl <sub>2</sub> ]	Pd	14	205319-10-4	3000036050
Umicore CX83	[Pd[P( <sup>t</sup> Bu) <sub>2</sub> ] <sup>n</sup> Bu] <sub>2</sub> Cl <sub>2</sub> ]	Pd	18	1444507-24-7	3000036046
Umicore HS221	Pt(vs)hc	Pt	21	68478-92-2	3000036023
CAA hydrate	H[AuCl <sub>4</sub> ] x n H <sub>2</sub> O	Au	50	27988-77-8	3000036163
Umicore Grubbs Catalyst M920		Ru	14	1415725-73-3	3000036077
	Rh <sub>2</sub> O <sub>3</sub>	Rh	81	12036-35-0	3000036255
	RhCl <sub>3</sub> x n H <sub>2</sub> O	Rh	38	20765-98-4	3000036253
Rh Black	Rh	Rh	95	7440-16-6	3000036249
	PdO x n H <sub>2</sub> O	Pd	84	64109-12-2	3000036217

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Pd(TAHC)	$[\text{Pd}(\text{NH}_3)_4](\text{HCO}_3)_2$	Pd	36	134620-00-1	3000036219
Pd(TAC) hydrate	$[\text{Pd}(\text{NH}_3)_4]\text{Cl}_2 \times n \text{H}_2\text{O}$	Pd	43	13815-17-3	3000036293
Pd sulfate solution type P	PdSO <sub>4</sub> solution type P	Pd	4	13566-03-5	3000036227
Pd(TAS) solution	$[\text{Pd}(\text{NH}_3)_4]\text{SO}_4$ solution	Pd	5	13601-06-4	3000036226
	PdCl <sub>2</sub>	Pd	60	7647-10-1	3000036292
Adams' catalyst	PtO <sub>2</sub> x n H <sub>2</sub> O	Pt	81	52785-06-5	3000036009
Pt(TAC) hydrate	$[\text{Pt}(\text{NH}_3)_4]\text{Cl}_2 \times n \text{H}_2\text{O}$	Pt	56	13933-33-0	3000034585
CPA solution 25	H <sub>2</sub> [PtCl <sub>6</sub> ] solution	Pt	25	16941-12-1	3000036287
CPA hydrate	H <sub>2</sub> [PtCl <sub>6</sub> ] x n H <sub>2</sub> O	Pt	42	26023-84-7	3000036175
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	$[(\text{SIMes})\text{Ru}(\text{py})(\text{Ind})\text{Cl}_2]$	Ru	14	1031262-76-6	3000034565
Umicore Grubbs Catalyst M201	$(\text{SI Pr})\text{Ru}(\text{PPh}_3)(\text{Ind})\text{Cl}_2$	Ru	10	1307233-23-3	3000036123
Umicore Grubbs Catalyst M101	$\text{Ru}(\text{PCy}_3)_2(\text{Ind})\text{Cl}_2$	Ru	11	250220-36-1	3000034559
Pd(PEPPSI)IPr	$[(\text{IPr})\text{Pd}(3\text{-Cl-py})\text{Cl}_2]$	Pd	16	905459-27-0	3000036041

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Umicore CX42	[(SIPr)PdCl <sub>2</sub> ] <sub>2</sub>	Pd	19	627878-09-5	3000034610
	[Rh(C <sub>7</sub> H <sub>15</sub> COO) <sub>2</sub> ] <sub>2</sub>	Rh	26	73482-96-9	3000036058
Chiralyst P618	[Rh(C <sub>5</sub> Me <sub>5</sub> )Cl <sub>2</sub> ] <sub>2</sub>	Rh	33	12354-85-7	3000034544
Chiralyst P442	[Rh(OAc) <sub>2</sub> ] <sub>2</sub> x n H <sub>2</sub> O	Rh	43	29998-99-0	3000034542
	Rh(OAc) <sub>3</sub> solution	Rh	5	42204-14-8	3000036070
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
	RuCl <sub>3</sub> x n H <sub>2</sub> O	Ru	37	14898-67-0	3000034607
Pd-Tetrakis	[Pd(PPh <sub>3</sub> ) <sub>4</sub> ]	Pd	9	14221-01-3	3000034517
	[(PPh <sub>3</sub> )AuCl]	Au	40	14243-64-2	3000036007
Umicore CX32	(SIPr)Pd(cinnamyl)Cl	Pd	16	884879-24-7	3000034527
Umicore CX31	[(IIPr)Pd(cinnamyl)Cl]	Pd	16	884879-23-6	3000034528
Umicore CX81	Pd(P( <sup>t</sup> Bu) <sub>2</sub> Ph) <sub>2</sub> Cl <sub>2</sub>	Pd	17	34409-44-4	3000034531
CPCOCO	Co(CO) <sub>2</sub> Cp	Co	33	12078-25-0	3000036154
Umicore Grubbs Catalyst M323		Ru	13	1416427-12-7	3000034577
Umicore CX51	[(IIPr)Pd(vs)]	Pd	16	478019-87-3	3000036038
	[Ir(acac) <sub>3</sub> ]	Ir	39	15635-87-7	3000034533

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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
Nishimura's catalyst	Rh <sub>2</sub> O <sub>3</sub> / PtO <sub>2</sub> x n H <sub>2</sub> O	Rh/Pt	45/20	39373-27-8 / 52785-06-5	3000034604
Pt(TAA) solution	[Pt(NH <sub>3</sub> ) <sub>4</sub> ](OAc) <sub>2</sub> solution	Pt	15	127733-97-5	3000036182
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](p-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 HYDRIDO	Ru(PPh <sub>3</sub> ) <sub>3</sub> (CO)(H)Cl	Ru	11	16971-33-8	3000036113
	Ru(nbd)Cl <sub>2</sub>	Ru	38	48107-17-1	3000034555

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Chiralyst Ru880	${}_{7}\text{H}_{11}(\text{N-AcCN})\text{BF}_4$	Ru	12		3000036108
Umicore Grubbs Catalyst M110	$\text{Ru}(\text{Bu-phobane})_2(\text{Ind})\text{Cl}_2$	Ru	13	894423-99-5	3000034563
	$[\text{Pd}(\text{C}_6\text{H}_5\text{CN})_2\text{Cl}_2]$	Pd	27	14220-64-5	3000036142
Chiralyst Ru914	$\text{Ru}[(\text{R})\text{-Xyl-MeO-BIPHEP}](\text{OAc})_2$	Ru	11	916197-27-8	3000036110
Chiralyst Rh1110	$[\text{Rh}(\text{SL-T002-1})(\text{cod})]\text{BF}_4$	Rh	10	827596-68-9	3000036064
Chiralyst Ru637	$\text{Ru}[(\text{S,S})\text{-TsDPE N}](\text{p-cymene})\text{Cl}$	Ru	16	192139-90-5	3000036086
	$\text{Ru}(\text{PPh}_3)_3\text{Cl}_2$	Ru	10	15529-49-4	3000034553
ROPAC	$\text{Rh}(\text{PPh}_3)(\text{CO})(\text{acac})$	Rh	20	25470-96-6	3000036057
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
Umicore DeRu21	$[\text{Ru}(\text{MeCOCH}(\text{C}_2\text{H}_5)\text{Me})_2]$	Ru	34	857678-47-8	3000024334
Umicore CX92	$[\text{Pd}(\text{dppp})\text{Cl}_2]$	Pd	18	59831-02-6	3000036040
	$[\text{Pd}(\text{cod})\text{Cl}_2]$	Pd	37	12107-56-1	3000034509

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Umicore CX72	[Pd(PCy <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> ]	Pd	14	29934-17-6	3000034513
Umicore CX73	[Pd(PPh <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> ]	Pd	15	13965-03-2	3000034512
CARAC	Rh(CO) <sub>2</sub> (acac)	Rh	40	14874-82-9	3000034605
Rh HYDRIDO	Rh(PPh <sub>3</sub> ) <sub>3</sub> (CO)H	Rh	11	17185-29-4	3000036056
	[Pd(allyl)Cl] <sub>2</sub>	Pd	58	12012-95-2	3000034516
Umicore CX23	(SIPr)Pd(allyl)Cl	Pd	19	478980-01-7	3000034526
Umicore CX22	[(IMes)Pd(allyl)Cl]	Pd	19	478980-04-0	3000034522
Fu catalyst	[Pd(P( <sup>t</sup> Bu) <sub>3</sub> ) <sub>2</sub> ]	Pd	21	53199-31-8	3000034529
Umicore CX84	[Pd(amphos) <sub>2</sub> Cl <sub>2</sub> ]	Pd	15	887919-35-9	3000034530
Elyst Ir75 0480	IrO <sub>2</sub> on oxidic support	Ir	75	12030-49-8	3000020266
Chiralyst Rh1351	[Rh(SL- 4	Rh	8	827596-70-3	3000036062
Chiralyst Rh640	Rh[(S,S)-TsDPE N](C <sub>5</sub> Me <sub>5</sub> )Cl	Rh	16	219944-99-7	3000036061
Chiralyst Ru762	Ru[(R)-2-Furyl-M eO- BIPHEP](OAc) <sub>2</sub>	Ru	13	952040-51-6	3000036103
Chiralyst Ru1267	[Ru(SL- W008- 1)(C <sub>7</sub> H <sub>11</sub> )(N- AcCN)]BF <sub>4</sub>	Ru	8	1021494-98-3	3000036105
Chiralyst Ru1255	[Ru(SL- W001- 1)(C <sub>7</sub> H <sub>11</sub> )(N- AcCN)]BF <sub>4</sub>	Ru	8	1021494-95-0	3000036099

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Chiralyst Ru1251	Ru[(R)-3,5- <i>t</i> -Bu-MeO-BIPHEP](OAc) <sub>2</sub>	Ru	8	194497-14-8	3000036111
Chiralyst Ru843	Ru[(S)-BINAP](OAc) <sub>2</sub>	Ru	12	261948-85-0	3000036102
Chiralyst Ru842	Ru[(R)-BINAP](OAc) <sub>2</sub>	Ru	12	325146-81-4	3000036101
Chiralyst Ru803	Ru[(S)-MeO-BIPHEP](OAc) <sub>2</sub>	Ru	13	134527-17-6	3000036098
Chiralyst Ru802	Ru[(R)-MeO-BIPHEP](OAc) <sub>2</sub>	Ru	13	133519-04-7	3000036097
Chiralyst Ru1011	$\text{C}_{11}\text{H}_{11}\text{I}$	Ru	10	942042-52-6	3000036095
Chiralyst Ru1012	$\text{C}_{11}\text{H}_{11}\text{I}$	Ru	10	942042-53-7	3000036093
Chiralyst Ru928	[RuCl(benzene)(S)-BINAP)]Cl	Ru	12	126251-92-1	3000036092
Chiralyst Ru930	[RuCl( <i>p</i> -cymene)(S)-BINAP)]Cl	Ru	11	130004-33-0	3000036085
Chiralyst Rh639	Rh[(R,R)-TsDPE N](C <sub>5</sub> Me <sub>5</sub> )Cl	Rh	16	223392-99-2	3000036069
Chiralyst Rh1228	[Rh(SL-	Rh	8	673458-88-3	3000036066

4

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Chiralyst Rh840	[Rh(SL-J002-1)(cod)]BF <sub>4</sub>	Rh	12	673458-86-1	3000036065
Chiralyst P1163	[Ir(C <sub>5</sub> Me <sub>5</sub> )I <sub>2</sub> ] <sub>2</sub>	Ir	33	33040-12-9	3000034539
Chiralyst P797	[Ir(C <sub>5</sub> Me <sub>5</sub> )Cl <sub>2</sub> ] <sub>2</sub>	Ir	48	12354-84-6	3000034538
Umicore HS125	[Pt(PPh <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> ]	Pt	25	15604-36-1	3000034506
Umicore HS152	[Pt(cod)Cl <sub>2</sub> ]	Pt	52	12080-32-9	3000034502
CIA solution	H <sub>2</sub> [IrCl <sub>6</sub> ] solution	Ir	23	16941-92-7	3000036246
	Ru(cod)(C <sub>5</sub> Me <sub>5</sub> )Cl	Ru	27	92390-26-6	3000036118
Umicore DeRu37	Ru <sub>3</sub> (CO) <sub>12</sub>	Ru	47	15243-33-1	3000036080
Chiralyst P327	Ru(cod)(OAc) <sub>2</sub>	Ru	31	133519-03-6	3000036082
Chiralyst P889	[Ru(cod)(CF <sub>3</sub> CO <sub>2</sub> ) <sub>2</sub> ] <sub>2</sub> x n H <sub>2</sub> O	Ru	23	93582-31-1	3000034556
	[Ru(C <sub>6</sub> Me <sub>6</sub> )Cl <sub>2</sub> ] <sub>2</sub>	Ru	30	67421-02-7	3000036114
Chiralyst P500	[Ru(C <sub>6</sub> H <sub>6</sub> )Cl <sub>2</sub> ] <sub>2</sub>	Ru	40	37366-09-9	3000034568
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
	[Ru(acac) <sub>3</sub> ]	Ru	25	14284-93-6	3000034554
	Ru(OAc) <sub>3</sub> solution	Ru	5	55466-76-7	3000036129
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

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
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
	[Rh(acac) <sub>3</sub> ]	Rh	25	14284-92-5	3000036055
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
Chiralyst Rh1119	[Rh(SL-	Rh	9	673458-82-7	3000034550
	4				
Umicore Hoveyda-Grubbs Catalyst M731		Ru	12	1212009-05-6	3000034573

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
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
	[(tht)AuCl]	Au	61	39929-21-0	3000036005
	[Ru(mesitylene)C <sub>12</sub> 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
Umicore HS149	[Pt(acac) <sub>2</sub> ]	Pt	49	15170-57-7	3000034505
CAA solution 38	H[AuCl <sub>4</sub> ] solution	Au	38	16903-35-8	3000036167
	Ru(NO)(NO <sub>3</sub> ) <sub>3</sub> solution	Ru	10-11	34513-98-9	3000036270
	Ru(NO)(NO <sub>3</sub> ) <sub>3</sub>	Ru	31	34513-98-9	3000034608
	RuO <sub>2</sub> x n H <sub>2</sub> O	Ru	60	32740-79-7	3000036267
	RuO <sub>2</sub>	Ru	76	12036-10-1	3000036266
Ru Black	Ru	Ru	96	7440-18-8	3000036262
Rh nitrate solution	Rh(NO <sub>3</sub> ) <sub>3</sub> solution	Rh	9	10139-58-9	3000036316
	Rh(NO <sub>3</sub> ) <sub>3</sub> x n H <sub>2</sub> O	Rh	35	13465-43-5	3000034603
	RhCl <sub>3</sub>	Rh	49	10049-07-7	3000036252
	RhCl <sub>3</sub> solution	Rh	20	13569-65-8	3000036258

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Pd(TAS)	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]SO <sub>4</sub>	Pd	39	13601-06-4	3000036218
Pd(TAC) solution	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]Cl <sub>2</sub> solution	Pd	9	13815-17-3	3000019759
Pd(TAN) solution type NH	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub> solution	Pd	3	13601-08-6	3000036314
Pd(DAN) ammonia solution	[Pd(NH <sub>3</sub> ) <sub>2</sub> (NO <sub>2</sub> ) <sub>2</sub> ] sol. in ammonia	Pd	9		3000036225
	[Pd(CH <sub>3</sub> CN) <sub>2</sub> ]Cl <sub>2</sub>	Pd	41	14592-56-4	3000036037
Umicore CX74	[Pd(P(o-tol) <sub>3</sub> ) <sub>2</sub> ]Cl <sub>2</sub>	Pd	14	40691-33-6	3000034511
	[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
Umicore CX91	[Pd(dppe)Cl <sub>2</sub> ]	Pd	18	19978-61-1	3000034609
Umicore CX94	[Pd(dppf)Cl <sub>2</sub> ] x CH <sub>2</sub> Cl <sub>2</sub>	Pd	13	95464-05-4	3000034525
	[Pd(cinnamyl)Cl] <sub>2</sub>	Pd	41	12131-44-1	3000034515
	[Pd(OAc) <sub>2</sub> ] <sub>3</sub>	Pd	47	3375-31-3	3000034514
	[Pd(acac) <sub>2</sub> ]	Pd	35	14024-61-4	3000034510
	[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
	Na <sub>2</sub> [PtCl <sub>6</sub> ] x n H <sub>2</sub> O	Pt	34	19583-77-8	3000034584
Pt EA solution low Cl	(HOCH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> [Pt(OH) <sub>6</sub> ] sol.	Pt	9	68133-90-4	3000036198

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Trade name	Empirical formula	Metal	Theoretical metal content	CAS Number	Product number
Pt EA solution	(HOCH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> [Pt(OH) <sub>6</sub> ] sol.	Pt	9	68133-90-4	3000036308
Pt(TAA) solution low Cl	[Pt(NH <sub>3</sub> ) <sub>4</sub> ](OAc) <sub>2</sub> solution	Pt	15	127733-97-5	3000036303
Pt(TAN) solution	[Pt(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub> solution	Pt	4	20634-12-2	3000036193
Pt(TAC) solution	[Pt(NH <sub>3</sub> ) <sub>4</sub> ]Cl <sub>2</sub> solution	Pt	9	13933-33-0	3000036189
HPA	H <sub>2</sub> [Pt(OH) <sub>6</sub> ]	Pt	64	51850-20-5	3000036176
Pt Black 32	Pt	Pt	98	7440-06-4	3000036171
Pd(DAC)	[Pd(NH <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> ]	Pd	50	14323-43-4	3000036291
	PdSO <sub>4</sub> x n H <sub>2</sub> O	Pd	45	13444-98-9	3000034595
Pd nitrate solution type ACG	Pd(NO <sub>3</sub> ) <sub>2</sub> solution type ACG	Pd	20	10102-05-3	3000036313
Pd nitrate solution type H	Pd(NO <sub>3</sub> ) <sub>2</sub> solution type H	Pd	20	10102-05-3	3000036312
	Pd(NO <sub>3</sub> ) <sub>2</sub> x n H <sub>2</sub> O	Pd	40	32916-07-7	3000036216
	Na <sub>2</sub> [PdCl <sub>4</sub> ] solution	Pd	15	13820-53-6	3000036220
Pd(II)-chloride solution 20	H <sub>2</sub> [PdCl <sub>4</sub> ] solution	Pd	20	16970-55-1	3000036294
Pd Black	Pd	Pd	98	7440-05-3	3000036211
	IrCl <sub>4</sub> /IrCl <sub>3</sub> x n H <sub>2</sub> O	Ir	50	207399-11-9	3000034602
Ir Black	Ir	Ir	99	7439-88-5	3000020267

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