



Organometallic Chemicals and Catalysts

Dedicated to our customers' challenges

At Umicore Precious Metals Chemistry, we not only offer a broad range of organometallic compounds available from kilo-lab to bulk quantities, but also customised solutions to our customers' challenges in catalysis.

Our dedicated team of organometallic chemists and marketing experts support our customers in utilising our state of the art products in the implementation of leading edge catalytic synthesis routes into production processes.

Please visit our website at www.umicore.com. Alternatively, you can contact us at ecolyst@eu.umicore.com.

Ru	Rh	Pd
	Ir	Pt

We also offer cost-effective separation and refining technologies to eliminate product contamination and to recover the Precious Metals involved in the reaction.

	Compound	Name	CAS-No.	PM in wt%	Umicore Product No.	USA No.
Pt	Pt(COD)Cl ₂	Dichloro-(1,5-cyclooctadiene)-platinum(II)	12080-32-9	52	68 1834 0352	PT-48652
	[Pt(C ₆ H ₁₀)Cl ₂] ₂	Dichloro-(cyclohexene)-platinum(II)-dimer	60134-75-0	56	68 1834 5156	PT-45156
	Pt(PPh ₃) ₂ Cl ₂	Dichloro-bis-(triphenylphosphine)-platinum(II)	15604-36-1	25	68 1834 5024	PT-46925
	Pt(acac) ₂	Bis-(acetylacetonato)-platinum(II)	15170-57-7	50	68 1834 2849	PT-42849
	Pt-VTS	1,3-Divinyl-1,1,3,3-tetramethyl-disiloxane-platinum(0)	68478-92-2	up to 20	68 1835 5003	upon request
	Pt-CS	Tetra vinyl-tetramethyl-tetracyclosiloxane-platinum(0)	68585-32-0	up to 15	68 1835 4003	upon request
Ir	[Ir(COD)Cl] ₂	Chloro-(1,5-cyclooctadiene)-iridium(I)-dimer	12112-67-3	57	68 1854 3057	IR-43057
	[Ir(COE) ₂ Cl] ₂	Chloro-bis-cyclooctene-iridium(I)-dimer	12146-51-4	43	68 1854 3243	IR-43243
	Ir(CO) ₂ acac	Acetylacetonato-dicarbonyl-iridium(I)	14023-80-4	55	upon request	IR-42955
	Ir(acac) ₃	Tris-(acetylacetonato)-iridium(III)	15635-87-7	39	upon request	IR-41739
Pd	Pd(PPh ₃) ₂ Cl ₂	Dichloro-bis-(triphenylphosphine)-palladium(II)	13965-03-2	15	68 1844 2615	PD-42615
	Pd(PcHex ₃) ₂ Cl ₂	Dichloro-bis-(tricyclohexylphosphine)-palladium(II)	29934-17-6	14	68 1844 2616	PD-42616
	Pd(COD)Cl ₂	Dichloro-(1,5-cyclooctadiene)-palladium(II)	12107-56-1	37	68 1844 0537	PD-40537
	Pd(acac) ₂	Bis-(acetylacetonato)-palladium(II)	14024-61-4	35	68 1844 2535	PD-42535
	[Pd(OAc) ₂] ₃	Palladium(II)-acetate	3375-31-3	47	68 1844 2747	PD-42746
	Pd(dppe)Cl ₂	Dichloro-(1,2-bis-(diphenylphosphino)ethane)-palladium(II)	19978-61-1	19	68 1844 4319	PD-44319
	Pd(dppf)Cl ₂	Dichloro-((bis-diphenylphosphino)ferrocenyl)-palladium(II)	72287-26-4	14	68 1844 4114	PD-44114
	Pd(dppf)Cl ₂ x CH ₂ Cl ₂	Dichloro-((bis-diphenylphosphino)ferrocenyl)-palladium(II) dichloromethane adduct	72287-26-4	13	68 1844 4213	PD-44213
	[(IPr)Pd(NQ)] ₂	Naphthoquinone-1,3-bis-(diisopropylphenyl)-imidazole-2-ylidene-palladium(0)	649736-75-4	16	68 1844 4016	PD-44016
	[(IMes)Pd(NQ)] ₂	Naphthoquinone-1,3-bis-(mesityl)-imidazole-2-ylidene-palladium(0)	467220-49-1	19	68 1844 4019	PD-44019
	Pd(PPh ₃) ₄	Tetrakis-(triphenylphosphine)-palladium(0)	14221-01-3	9	68 1844 3509	PD-43509
	Pd ₂ (dba) ₃ x dba	Tris-(dibenzylideneacetone)-dipalladium(0)	51364-51-3	20	68 1844 4024	PD-44024
	Pd-VTS	1,3-Divinyl-1,1,3,3-tetramethyl-disiloxane-palladium(0)	252062-59-2	up to 13	68 1845 0307	PD-50307

Compound	Name	CAS-No.	PM in wt%	Umicore	
				Product No.	USA No.
Rh					
Rh-2EH	Rhodium(III)-tris-(2-ethylhexanoate)-solution	20845-92-5	2	68 1865 5002	RH-55002
Rh(OAc)₃-solution	Rhodium(III)-acetate-solution	42204-14-8	5	68 1865 2205	RH-54025
Rh(OAc)₃-brown	Rhodium(III)-acetate-“brown”	42204-14-8	40	68 1865 2240	RH-42240
[Rh(OAc)₂]₂	Tetrakis-acetato-dirhodium(II)	15956-28-2	46	68 1864 2442	RH-45246
Rh(acac)₃	Tris-(acetylacetonato)-rhodium(III)	14284-92-5	25	68 2564 2525	RH-42525
RhCl(PPh₃)₃	Chloro-tris-(triphenylphosphine)-rhodium(I)	14694-95-2	11	68 1864 2011	RH-42011
RhH(CO)(PPh₃)₃	Carbonyl-hydrido-tris-(triphenylphosphine)-rhodium(I)	17185-29-4	11	68 1864 3211	RH-43211
Rh(CO)₂acac	Acetylacetonato-dicarbonyl-rhodium(I)	14874-82-9	40	68 1864 1840	RH-41840
Rh(CO)(PPh₃)acac	Acetylacetonato-carbonyl-triphenylphosphine-rhodium(I)	25470-96-6	21	68 1864 3420	RH-44421
Rh(COD)acac	Acetylacetonato-(1,5-cyclooctadiene)-rhodium(I)	12245-39-5	33	68 1864 5433	RH-45433
[Rh(COD)Cl]₂	Chloro-(1,5-cyclooctadiene)-rhodium(I)-dimer	12092-47-6	41	68 1864 3041	RH-43041
[Rh(COD)₂]BF₄	Bis-(1,5-cyclooctadiene)-rhodium(I)-tetrafluoroborate	35138-22-8	25	68 1864 3025	RH-43025
[Rh(COD)₂]OTf	Bis-(1,5-cyclooctadiene)-rhodium(I)-trifluoromethanesulfonate	99326-34-8	22	68 1864 3822	RH-43822
[Rh(NBD)Cl]₂	Chloro-(norbornadiene)-rhodium(I)-dimer	12257-42-0	45	68 1864 3145	RH-43145
[Rh(NBD)₂]BF₄	Bis-(norbornadiene)-rhodium(I)-tetrafluoroborate	36620-11-8	27	68 1864 3627	RH-43627
[Rh(C₅Me₅)Cl₂]₂	Dichloro-(pentamethylcyclopentadienyl)-rhodium(III)-dimer	12345-85-7	33	68 1864 3033	RH-43033
[Rh(C₇H₁₅CO₂)₂]₂	Rhodium(II)-octanoate-dimer	73482-96-9	26	upon request	RH-44726
Ru					
Ru(OAc)₃-solution	Ruthenium(III)-acetate-solution	55466-76-7	5	68 1875 2605	RU-52605
Ru(acac)₃	Tris-(acetylacetonato)-ruthenium(III)	14284-93-6	25	68 1874 1425	RU-41425
RuCl₂(PPh₃)₃	Dichloro-tris-(triphenylphosphine)-ruthenium(II)	15529-49-4	10	68 1874 1310	RU-41310
[Ru(COD)Cl₂]_n	Dichloro-(1,5-cyclooctadiene)-ruthenium(II)-polymer	50982-13-3	36	68 1874 2336	RU-43636
[Ru(p-cymene)I₂]₂	Diiodo-(p-cymene)-ruthenium(II)-dimer	90614-07-6	21	68 1874 2621	RU-42621
[Ru(p-cymene)Cl₂]₂	Dichloro-(p-cymene)-ruthenium(II)-dimer	52462-29-0	33	68 1874 2533	RU-42533R
Ru(COD)(methylallyl)₂	Bis-(2-methylallyl)-(1,5-cyclooctadiene)-ruthenium(II)	12289-94-0	32	68 1874 2432	RU-42432



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