

Inorganic Compounds



Dedicated to our customers' applications

At Umicore Precious Metals Chemistry, we have a longstanding experience in producing an extensive range of inorganic Precious Metals compounds.

These products have various applications including:

- Precursors for the manufacture of supported catalysts
- Electroplating
- Manufacture of electrodes for chloroalkali processes
- Fuel cells and sensors
- Precursors for the manufacture and use of Precious Metals in homogeneous catalysis

All of our products fulfil the highest purity and quality requirements. Our innovative team of technical and marketing experts support our customers to develop tailor made solutions to their individual needs.

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

Ru	Rh	Pd	Ag
	Ir	Pt	Au

Compound	Name	CAS-No.	PM in wt%	Umicore		
				Product No.	USA No.	
Pt	Pt/Ru	Platinum/Ruthenium black	172515-31-0	60/30	68 2531 0299	upon request
	Pt	Platinum powder	7440-06-4	100	68 2531 0100	upon request
	Pt	Platinum black	7440-06-4	100	68 2531 0298	PT-10298
	Pt	Platinum black (Fuel cell grade)	7440-06-4	100	68 2531 0297	PT-15000
	H ₂ PtCl ₆ x H ₂ O	Chloroplatinic-acid-hydrate	26023-84-7	40	68 2532 0940	PT-20940
	H ₂ PtCl ₆ -solution	Hexachloroplatinic-acid-solution	16941-12-1	25	68 2535 3525	PT-51127
	H ₂ Pt(OH) ₆	Hexahydroxoplatinic-acid	51850-20-5	65	68 2532 1064	PT-21064
	Pt(NO ₃) ₂ -solution	Platinum(II)-nitrate-solution	18496-40-7	30	68 2535 4115	PT-54115
	[Pt(NH ₃) ₄]Cl ₂ x H ₂ O	Tetraammineplatinum(II)-chloride-hydrate	13933-33-0	55	68 2532 2355	PT-22355
	[Pt(NH ₃) ₄](HCO ₃) ₂	Tetraammineplatinum(II)-hydrogencarbonate	123439-82-7	51	68 2532 5051	PT-24450
	[Pt(NH ₃) ₄]Cl ₂ -solution	Tetraammineplatinum(II)-chloride solution	13933-32-9	10	68 2535 4320	PT-52303
	[Pt(NH ₃) ₄](NO ₃) ₂ -solution	Tetraammineplatinum(II)-nitrate solution	20634-12-2	4	68 2535 4610	PT-54610
	[Pt(NH ₃) ₄](OAc) ₂ -solution	Tetraammineplatinum(II)-acetate solution	127733-97-5	15	68 2535 0815	PT-50815
	Pt-EA-solution	Bis-ethanolammonium-[hexahydroxoplatinum(IV)]-solution	68133-90-4	10	68 2535 7010	PT-54010
	K ₂ [PtCl ₄]	Potassium-tetrachloro-platinate(II)	10025-99-7	47	68 2532 1546	PT-21546
	PtO ₂ x H ₂ O type A	Platinum(IV)-oxide-hydrate (Adams catalyst)	52785-06-5	81	68 1832 2281	PT-22281
	PtO ₂ x H ₂ O type B	Platinum(IV)-oxide-hydrate (Adams catalyst)	52785-06-5	81	68 1832 2282	upon request
	PtO ₂ x H ₂ O type C	Platinum(IV)-oxide-hydrate (Adams catalyst)	52785-06-5	81	68 1832 2284	upon request

Ir	Ir	Iridium powder	7439-88-5	100	68 2551 0100	upon request
	Ir	Iridium black	7439-88-5	100	68 2551 0299	IR-10299
	H ₂ IrCl ₆ x H ₂ O	Chloroiridic-acid-hydrate	57876-28-5	39	68 2552 0538	IR-20538
	H ₂ IrCl ₆ -solution	Chloroiridic-acid-solution	16941-92-7	23	68 2555 1325	IR-51320

	Compound	Name	CAS-No.	PM in wt%	Umicore	
					Product No.	USA No.
Pd	Pd	Palladium powder	7440-05-3	100	68 2541 0100	upon request
	Pd	Palladium black	7440-05-3	100	68 2541 0298	upon request
	PdCl ₂	Palladium(II)-chloride	7647-10-1	60	68 2542 1460	PD-21460
	PdCl ₂ -solution	Palladium(II)-chloride-solution 20%	7647-10-1	20	68 2545 3020	PD-51227
	Na ₂ PdCl ₄ -solution	Sodium-tetrachloropalladate(II)-solution	13820-53-6	15	68 2545 2915	PD-52915
	Pd(NO ₃) ₂ x 2 H ₂ O	Palladium(II)-nitrate-dihydrate	10102-05-3	40	68 2542 1640	PD-21640
	Pd(NO ₃) ₂ -solution	Palladium(II)-nitrate-solution type P (low nitrite content)	10102-05-3	8	68 2545 3110	PD-63609
	Pd(NO ₃) ₂ -solution	Palladium(II)-nitrate-solution type H (standard nitrite content)	10102-05-3	23	68 2545 3115	upon request
	PdSO ₄ -solution	Palladium(II)-sulphate-solution type P	13566-03-5	4	68 2545 4004	PD-54010
	PdSO ₄ x H ₂ O	Palladium(II)-sulphate-hydrate	13444-98-9	45	68 2542 1946	PD-21946
	(NH ₃) ₂ PdCl ₂	Diammine-dichloro-palladium(II)	14323-43-4	50	68 2542 0550	PD-20550
	[Pd(NH ₃) ₄]Cl ₂ x H ₂ O	Tetraammine-palladium(II)-chloride-hydrate	13815-17-3	43	68 2542 2143	PD-22143
	[Pd(NH ₃) ₄](OAc) ₂ -solution	Tetraammine-palladium(II)-acetate-solution	61495-96-3	15	68 2545 6120	PD-56105
	[Pd(NH ₃) ₄](HCO ₃) ₂	Tetraammine-palladium(II)-hydrogencarbonate	134620-00-1	36	68 2542 4336	PD-24436
	[Pd(NH ₃) ₄](NO ₃) ₂ -solution	Tetraammine-palladium(II)-nitrate-solution type S (acidic)	13601-08-6	5	68 2545 4205	upon request
[Pd(NH ₃) ₄](NO ₃) ₂ -solution	Tetraammine-palladium(II)-nitrate-solution type NH (alkaline)	13601-08-6	3	68 2545 4305	PD-55605	
[Pd(NH ₃) ₄]Cl ₂ -solution	Tetraammine-palladium(II)-chloride-solution	13815-17-3	9	68 2545 4409	PD-55707	
Rh	Rh	Rhodium powder	7440-16-6	100	68 2561 0100	upon request
	RhCl ₃ x H ₂ O	Rhodium(III)-chloride-hydrate	20765-98-4	39	68 2562 1138	RH-21138
	RhCl ₃ -solution	Rhodium(III)-chloride-solution	13569-65-8	20	68 2565 2720	RH-54806
	RhI ₃	Rhodium(III)-iodide	15492-387-3	20	68 1862 1220	RH-21220
	Rh(NO ₃) ₃ -solution	Rhodium(III)-nitrate-solution	10139-58-9	9	68 2565 2810	RH-52810
	Rh(NO ₃) ₃ x 2 H ₂ O	Rhodium(III)-nitrate-dihydrate	10139-58-9	33	68 2562 1333	RH-21333
	Rh ₂ (SO ₄) ₃ -solution	Rhodium(III)-sulphate-solution	10489-46-0	8,5	68 1865 2908	RH-52903
Ru	Ru	Ruthenium-powder	7440-18-8	100	68 2571 0100	upon request
	RuO ₂ x 2 H ₂ O	Rutheniumoxide-hydrate	32740-79-7	59-67	68 2572 0960	RU-20960
	RuCl ₃ x H ₂ O	Ruthenium(III)-chloride-hydrate	14898-67-0	37	68 2572 0737	RU-20737
	RuCl ₃ -solution	Ruthenium(III)-chloride-solution	10049-08-8	20	68 2575 1520	RU-51520
	Ru(NO)(NO ₃) ₃ -solution	Ruthenium(III)-nitrosynitrate-solution	34513-98-9	10	68 2575 1620	RU-51620
Ag	Ag ₂ O	Silver(I)-oxide	20667-12-3	93	68 6512 1593	upon request
	Ag ₂ O	Silver(I)-oxide (high density)	20667-12-3	93	68 6512 4093	upon request
Au	AgNO ₃	Silver(I)-nitrate	7761-88-8	63	68 6827 0001	upon request
	H[AuCl ₄] x H ₂ O	Tetrachloroauric(III)-acid-hydrate	27988-77-8	50	68 6522 0650	upon request
	H[AuCl ₄]-solution	Tetrachloroauric(III)-acid-solution	16903-35-8	38	68 6525 2138	upon request

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