

# Product Catalogue „Chemical Products“

## Gold Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium tetrachloroaurate(III)	$\text{NH}_4[\text{AuCl}_4]$	55%	13874-04-9	356.82	yellow
Chloro(triethylphosphane)gold(I)	$[\text{AuCl}(\text{PET}_3)]$	56%	15529-90-5	350.58	
Chloro(triphenylphosphane)gold(I)	$[\text{AuCl}(\text{PPh}_3)]$	39%	14243-64-2	494.71	colorless
Gold	Au				
Gold(III) bromide	$\text{AuBr}_3$	45%	10294-28-7	436.68	black-purple
Gold(III) hydroxide	$\text{Au}(\text{OH})_3$	80%	1303-52-2	247.99	orange-brown
Hydrogen tetrachloroaurate(III) hydrate „Chloroauric Acid“, „Gold Chloride Yellow“	$\text{H}[\text{AuCl}_4] \cdot n\text{H}_2\text{O}$	50%	16903-35-8	339.79 a.c.	orange
Hydrogen tetrachloroaurate(III) <i>solution</i> „Chloroauric Acid“	$\text{H}[\text{AuCl}_4]$	up to 40%	16903-35-8		orange
Potassium dicyanoaurate(I) / Potassium cyanide „Gold Salt“	$\text{K}[\text{Au}(\text{CN})_2] / \text{KCN}$	68.2 %	13967-50-5	288.10 KCN-free comp.	colorless
Potassium tetrachloroaurate(III)	$\text{K}[\text{AuCl}_4]$	52%	13682-61-6	377.88	yellow
Potassium tetracyanoaurate(III)	$\text{K}[\text{Au}(\text{CN})_4]$	58%	14263-59-3	340.14	colorless
Potassium tetrahydroxoaurate(III) <i>solution</i>	$\text{K}[\text{Au}(\text{OH})_4]$	up to 6%			yellow
Sodium tetrabromoaurate(III)	$\text{Na}[\text{AuBr}_4]$	33%	52495-41-7	539.57	black-purple
Sodium tetrachloroaurate(III) hydrate	$\text{Na}[\text{AuCl}_4] \cdot n\text{H}_2\text{O}$	49%	13874-02-7	361.77 a.c.	yellow

## Iridium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium hexachloroiridate(III)	$(\text{NH}_4)_3[\text{IrCl}_6]$	40%	15752-05-3	459.05	dark green
Ammonium hexachloroiridate(IV)	$(\text{NH}_4)_2[\text{IrCl}_6]$	43%	16940-92-4	441.00	black
Bis(cycloocta-1,5-diene)iridium(I) tetrafluoroborate	$[\text{Ir}(\text{cod})_2]\text{BF}_4$	38%	35138-23-9	495.39	dark purple
Di- $\mu$ -chloro-bis[(cycloocta-1.5-diene)iridium(I)]	$[\{\text{Ir}(\text{cod})\}_2(\mu\text{-Cl})_2]$	57%	12112-67-3	671.71	orange-red
Di- $\mu$ -chloro-bis[chloro(pentamethylcyclopentadienyl)iridium(III)]	$[\{\text{IrClCp}^*\}_2(\mu\text{-Cl})_2]$	48%	12354-84-6	796.71	orange-red
Dihydrogen hexachloroiridate(IV) <i>solution</i> „Chloroiridic Acid“; „CIA“	$\text{H}_2[\text{IrCl}_6]$	up to 25%	16941-92-7		brown
Dihydrogen hexachloroiridate(IV) hydrate „Chloroiridic Acid“; „CIA“	$\text{H}_2[\text{IrCl}_6] \cdot n \text{H}_2\text{O}$	43%	16941-92-7	406.93 a.c.	black
Hexaammineiridium(III) chloride	$[\text{Ir}(\text{NH}_3)_6]\text{Cl}_3$	48%	14282-93-0	400.76	colorless
Hexaammineiridium(III) chloride <i>solution</i>	$[\text{Ir}(\text{NH}_3)_6]\text{Cl}_3$	up to 3 %	14282-93-0		clear
Iridium	Ir				
Iridium acetate	“ $\text{Ir}(\text{OAc})_x$ ”	48%	52705-52-9		green
Iridium(III) chloride	$\text{IrCl}_3$	64%	10025-83-9	298.56	green
Iridium(III) chloride <i>solution</i>	$\text{IrCl}_3$	up to 10 %	10025-83-9		dark brown
Iridium(III) chloride hydrate	$\text{IrCl}_3 \cdot n \text{H}_2\text{O}$	54%	14996-61-3	298.56 a.c.	green
Iridium(III) chloride hydrate, Type G	$\text{IrCl}_3 \cdot n \text{H}_2\text{O}$	54%	14996-61-3	298.56 a.c.	green
Iridium(IV) chloride hydrate	$\text{IrCl}_4 \cdot n \text{H}_2\text{O}$	53%	10025-97-5	334.01 a.c.	black
Iridium(IV) oxide	$\text{IrO}_2$	85%	12030-49-8	224.22	deep blue
Potassium hexachloroiridate(III)	$\text{K}_3[\text{IrCl}_6]$	37%	14024-41-0	522.23	dark green
Potassium hexachloroiridate(IV)	$\text{K}_2[\text{IrCl}_6]$	39%	16920-56-2	483.12	black
Sodium hexachloroiridate(III) hydrate	$\text{Na}_3[\text{IrCl}_6] \cdot n \text{H}_2\text{O}$	38%	123334-23-6	473.91 a.c.	dark green
Sodium hexachloroiridate(IV) hydrate	$\text{Na}_2[\text{IrCl}_6] \cdot n \text{H}_2\text{O}$	37%	19567-78-3	450.92 a.c.	black
Tris(acetylacetonato)iridium(III) „Iridium Acetylacetonate“	$[\text{Ir}(\text{acac})_3]$	37%	15635-87-7	489.55	yellowish green

## Osmium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium hexachloroosmate(IV)	$(\text{NH}_4)_2[\text{OsCl}_6]$	43%	12125-08-5	438.99	red-black
Osmium	Os				
Osmium(III) chloride hydrate	$\text{OsCl}_3 \cdot n \text{H}_2\text{O}$	55%	14996-60-2	296.56 a.c.	black
Osmium(VIII) oxide	$\text{OsO}_4$	75%	20816-12-0	254.20	yellow
Osmium(VIII) oxide solution	$\text{OsO}_4$	up to 3 %	20816-12-0		yellow
Potassium hexachloroosmate(IV)	$\text{K}_2[\text{OsCl}_6]$	39%	16871-60-6	481.12	red
Potassium tetrahydrodioxoosmate(VI) „Potassium Osmate“	$\text{K}_2[\text{Os}(\text{O})_2(\text{OH})_4]$	52%	10022-66-9 19718-36-6	368.43	violet
Sodium hexachloroosmate(IV) hydrate	$\text{Na}_2[\text{OsCl}_6] \cdot n \text{H}_2\text{O}$	39%	1307-81-9	448.90 a.c.	red-black

## Palladium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium hexachloropalladate(IV)	$(\text{NH}_4)_2[\text{PdCl}_6]$	30%	19168-23-1	355.20	reddish brown
Ammonium tetrachloropalladate(II)	$(\text{NH}_4)_2[\text{PdCl}_4]$	37%	13820-40-1	284.29	green
Bis(acetonitrile)dichloropalladium(II)	$[\text{PdCl}_2(\text{MeCN})_2]$	41%	14592-56-4	259.43	yellow
Bis(acetylacetonato)palladium(II) „Palladium Acetylacetonate“	$[\text{Pd}(\text{acac})_2]$	35%	14024-61-4	304.62	yellow
Bis(dibenzylideneacetone)palladium(0)	$\text{Pd}(\text{dba})_2$	20%	32005-36-0	575.02	reddish brown
Bis(ethylenediamine)palladium(II) chloride	$[\text{Pd}(\text{en})_2]\text{Cl}_2$	35%	13963-53-6	297.52	beige
Diamminedichloropalladium(II)	$[\text{PdCl}_2(\text{NH}_3)_2]$	50%	14323-43-4	211.37	yellow
Diamminedinitropalladium(II) ammoniacal solution „Palladium P Salt Solution“	$[\text{Pd}(\text{NO}_2)_2(\text{NH}_3)_2]$	up to 18 %	14708-52-2		yellow

Dichloro(cycloocta-1.5-diene)palladium(II)	[PdCl <sub>2</sub> (cod)]	37%	12107-56-1	285.51	yellow
Dichloro[1,1'-ferrocenylbis(diphenylphosphane)]palladium(II)	[PdCl <sub>2</sub> (dppf)]	13%	72287-26-4	731.72	
Dichloro[1,2-bis(diphenylphosphano)ethane]palladium(II) or: Dichloro[ethane-1,2-diylbis(diphenylphosphane)]palladium(II)	[PdCl <sub>2</sub> (dppe)]	18%	19978-61-1	575.75	off-white
Dichloro[1,3-bis(diphenylphosphano)propane]palladium(II) or: Dichloro[propane-1,3-diylbis(diphenylphosphane)]palladium(II)	[PdCl <sub>2</sub> (dppp)]	18%	59831-02-6	589.78	off-white
Dichloro[1,1'-ferrocenylbis(diphenylphosphane)]palladium(II) dichloromethane	[PdCl <sub>2</sub> (dppf)] · CH <sub>2</sub> Cl <sub>2</sub>	13%	72287-26-4	816.65 w/o CH <sub>2</sub> Cl <sub>2</sub>	red
Dichlorobis(triphenylphosphane)palladium(II)	[PdCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]	15%	13965-03-2	701.90	yellow
Dihydrogen tetrachloropalladate(II) <i>solution</i> „Palladium Chloride Solution“	H <sub>2</sub> [PdCl <sub>4</sub> ]	up to 20%	7647-10-1		brown
Palladium	Pd				
Palladium(II) acetate	Pd(OAc) <sub>2</sub>	47%	3375-31-3	224.49	yellowish brown
Palladium(II) bromide	PdBr <sub>2</sub>	40%	13444-94-5	266.23	violet
Palladium(II) chloride	PdCl <sub>2</sub>	60%	7647-10-1	177.31	brown
Palladium(II) nitrate <i>solution</i>	Pd(NO <sub>3</sub> ) <sub>2</sub>	up to 17%	10102-05-3		yellowish brown
Palladium(II) nitrate hydrate	Pd(NO <sub>3</sub> ) <sub>2</sub> · n H <sub>2</sub> O	41%	10102-05-3	230.41 a.c.	yellowish brown
Palladium(II) sulfate <i>solution</i>	PdSO <sub>4</sub>	up to 12 %	13566-03-5		brown
Palladium(II) trifluoroacetate	Pd(CF <sub>3</sub> CO <sub>2</sub> ) <sub>2</sub>	32%	42196-31-6	332.45	light brown
Potassium hexachloropalladate(IV)	K <sub>2</sub> [PdCl <sub>6</sub> ]	27%	16919-73-6	397.32	red
Potassium tetrachloropalladate(II)	K <sub>2</sub> [PdCl <sub>4</sub> ]	32%	10025-98-6	326.42	brown
Sodium tetrachloropalladate(II)	Na <sub>2</sub> [PdCl <sub>4</sub> ]	36%	13820-53-6	294.19	brown
Sodium tetrachloropalladate(II) <i>solution</i>	Na <sub>2</sub> [PdCl <sub>4</sub> ]	up to 15 %	13820-53-6		brown
Tetraamminepalladium(II) acetate <i>solution</i>	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](OAc) <sub>2</sub>	up to 5 %	61495-96-3		yellow
Tetraamminepalladium(II) chloride „TPC Pd“	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]Cl <sub>2</sub>	42%	13815-17-3	245.43	yellow
Tetraamminepalladium(II) chloride <i>solution</i> „TPC Pd“	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]Cl <sub>2</sub>	up to 10%	13815-17-3		yellow
Tetraamminepalladium(II) hydrogencarbonate „TPHC Pd“	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](HCO <sub>3</sub> ) <sub>2</sub>	35%	134620-00-1	296.58	cream
Tetraamminepalladium(II) hydroxide <i>solution</i> „TPH Pd“	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](OH) <sub>2</sub>	up to 5 %	68413-68-3		yellowish

Tetraamminepalladium(II) nitrate	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub>	35%	13601-08-6	298.55	pale yellow
Tetraamminepalladium(II) nitrate <i>solution</i> „TPN Pd“	[Pd(NH <sub>3</sub> ) <sub>4</sub> ](NO <sub>3</sub> ) <sub>2</sub>	up to 6 %	13601-08-6		light brown
Tetraamminepalladium(II) sulfate	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]SO <sub>4</sub>	40%	13601-06-4	270.60	yellow
Tetraamminepalladium(II) sulfate <i>solution</i>	[Pd(NH <sub>3</sub> ) <sub>4</sub> ]SO <sub>4</sub>	up to 4 %	13601-06-4		yellow
Tetrakis(triphenylphosphane)palladium(0)	[Pd(PPh <sub>3</sub> ) <sub>4</sub> ]	9%	14221-01-3	1155.58	yellowish green
<i>trans</i> -Bis(benzonitrile)dichloropalladium(II)	[PdCl <sub>2</sub> (PhCN) <sub>2</sub> ]	27%	14220-64-5	383.57	yellow
Tris(dibenzylideneacetone)dipalladium(0)	Pd <sub>2</sub> (dba) <sub>3</sub>	20%	52409-22-0	915.73	reddish brown
Tris(dibenzylideneacetone)dipalladium(0) dibenzylideneacetone	Pd <sub>2</sub> (dba) <sub>3</sub> · dba	20%	51364-51-3	915.73 w/o dba	reddish brown

## Platinum Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium hexachloroplatinate(IV)	(NH <sub>4</sub> ) <sub>2</sub> [PtCl <sub>6</sub> ]	44%	16919-58-7	443.89	yellow
Ammonium tetrachloroplatinate(IV)	(NH <sub>4</sub> ) <sub>2</sub> [PtCl <sub>4</sub> ]	52%	13820-41-2	372.97	red
Bis(acetylacetonato)platinum(II)	[Pt(acac) <sub>2</sub> ]	50%	15170-57-7	393.30	yellow
Bis(benzonitrile)dichloroplatinum(II)	[PtCl <sub>2</sub> (PhCN) <sub>2</sub> ]	41%	15617-19-3	472.23	light green
<i>cis</i> -Diamminedichloroplatinum(II)	<i>cis</i> -[PtCl <sub>2</sub> (NH <sub>3</sub> ) <sub>2</sub> ]	65%	15663-27-1	300.06	yellow
<i>cis</i> -Diamminedinitritoplatinum(II) <i>ammoniacal solution</i>	<i>cis</i> -[Pt(NO <sub>2</sub> ) <sub>2</sub> (NH <sub>3</sub> ) <sub>2</sub> ]	up to 5 %	14286-02-3		yellow
<i>cis</i> -Diamminedinitritoplatinum(II) <i>nitric-acid solution</i>	<i>cis</i> -[Pt(NO <sub>2</sub> ) <sub>2</sub> (NH <sub>3</sub> ) <sub>2</sub> ]	10%	14286-02-3		yellow
<i>cis</i> -Diamminedinitritoplatinum(II) <i>suspension</i>	<i>cis</i> -[Pt(NO <sub>2</sub> ) <sub>2</sub> (NH <sub>3</sub> ) <sub>2</sub> ]	up to 10 %	14286-02-3		beige
<i>cis</i> -Dibromobis(triphenylphosphite)platinum(II)	[PtBr <sub>2</sub> (P(OPh) <sub>3</sub> ) <sub>2</sub> ]	20%	41871-81-2	975.47	pale yellow
<i>cis</i> -Dichlorobis(triphenylphosphane)platinum(II)	<i>cis</i> -[PtCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]	24%	10199-34-5	790.57	colorless
Di- $\mu$ -chloro-bis[chloro(cyclohexene)platinum(II)]	[(PtCl(C <sub>6</sub> H <sub>10</sub> )) <sub>2</sub> ( $\mu$ -Cl) <sub>2</sub> ]	55%	12176-53-3	696.26	beige
Dibromo(cycloocta-1,5-diene)platinum(II)	[PtBr <sub>2</sub> (cod)]	42%	12145-48-1	463.07	pale yellow
Dichloro(cycloocta-1.5-diene)platinum(II)	[PtCl <sub>2</sub> (cod)]	52%	12080-32-9	374.18	beige
Dihydrogen dinitritodisulfatoplatinate(IV) <i>solution</i> "Pt DNS"	H <sub>2</sub> [Pt(NO <sub>2</sub> ) <sub>2</sub> (SO <sub>3</sub> ) <sub>2</sub> ]	up to 5%	68958-85-0		yellow

Dihydrogen hexachloroplatinate(IV) <i>solution</i> (1) „Chloroplatinic Acid“, „CPA“	$H_2[PtCl_6]$	up to 32 %	16941-12-1		orange
Dihydrogen hexachloroplatinate(IV) <i>solution in iso-propanol</i> „Speier’s Catalyst“	$H_2[PtCl_6]$ / <i>i</i> -PrOH	up to 15%	26023-84-7		orange
Dihydrogen hexachloroplatinate(IV) hydrate „Chloroplatinic Acid“, „CPA“	$H_2[PtCl_6] \cdot n H_2O$	40%	26023-84-7	409.82 a.c.	orange
Dihydrogen hexahydroxoplatinate(IV) “Hydroxoplatinic Acid”	$H_2[Pt(OH)_6]$	56%	51850-20-5	299.15	yellow
2-Hydroxyethylammonium hexahydroxoplatinate(IV) <i>solution</i> “Pt EA”	$(HOC_2H_4NH_3)_2[Pt(OH)_6]$	up to 12%			pale yellow
Platinum	Pt				
Platinum (IV) oxide hydrate "Adam's Catalyst"	$PtO_2 \cdot n H_2O$	80%	52785-06-5	227.08 a.c.	brown
Platinum sulfite <i>solution</i>	“ $Pt(SO_3)_x$ ”	up to 10 %	61420-92-6		yellow
Platinum(0) divinyltetramethylsiloxane complex (2) “Karstedt Concentrate”	“ $[Pt_2(C_8H_{18}OSi_2)_3]$ ”	19%	68478-92-2		yellow
Platinum(II) chloride	$PtCl_2$	73%	10025-65-7	265.99	light brown
Platinum(II) nitrate	$Pt(NO_3)_2$	58%	18496-40-7	319.08	orange-brown
Platinum(II) nitrate <i>solution</i>	$Pt(NO_3)_2$	up to 30%	18496-40-7		orange-brown
Platinum(IV) chloride	$PtCl_4$	58%	13454-96-1	336.90	reddish brown
Potassium hexachloroplatinate(IV)	$K_2[PtCl_6]$	40%	16921-30-5	486.01	yellow
Potassium hexahydroxoplatinate(IV)	$K_2[Pt(OH)_6]$	52%	12285-90-4	375.34	yellow
Potassium hexahydroxoplatinate(IV) <i>solution</i>	$K_2[Pt(OH)_6]$	up to 20%	12285-90-4		yellow
Potassium tetrachloroplatinate(II)	$K_2[PtCl_4]$	47%	10025-99-7	415.09	red
Potassium tetranitroplatinate(II) or: Potassium tetranitroplatinate(II)	$K_2[Pt(NO_2)_4]$	42%	13815-39-9	457.32	colorless
Sodium hexachloroplatinate(IV) hydrate	$Na_2[PtCl_6] \cdot n H_2O$	35%	19583-77-8	453.79 a.c.	red
Sodium hexahydroxoplatinate(IV)	$Na_2[Pt(OH)_6]$	56%	12325-31-4	343.11	yellow
Sodium tetrachloroplatinate(II) <i>solution</i>	$Na_2[PtCl_4]$	up to 8 %	10026-00-3		red
Tetraammineplatinum(II) acetate <i>solution</i>	$[Pt(NH_3)_4](OAc)_2$	up to 5%			pale yellow
Tetraammineplatinum(II) chloride <i>solution</i> “TPC Pt”	$[Pt(NH_3)_4]Cl_2$	up to 6 %	16971-49-6		yellowish

Tetraammineplatinum(II) chloride hydrate "TPC Pt"	$[\text{Pt}(\text{NH}_3)_4]\text{Cl}_2 \cdot n \text{H}_2\text{O}$	55%	13933-32-9	334.12 a.c.	yellowish
Tetraammineplatinum(II) hydrogencarbonate "TPHC Pt"	$[\text{Pt}(\text{NH}_3)_4](\text{HCO}_3)_2$	51%	123439-82-7	385.25	colorless
Tetraammineplatinum(II) hydrogenphosphate <i>solution</i>	$[\text{Pt}(\text{NH}_3)_4]\text{HPO}_4$	up to 2 %	127733-98-6		colorless
Tetraammineplatinum(II) hydroxide <i>solution</i> "TPH Pt"	$[\text{Pt}(\text{NH}_3)_4](\text{OH})_2$	up to 10 %	38201-97-7		colorless
Tetraammineplatinum(II) nitrate <i>low pH solution</i> "TPN Pt"	$[\text{Pt}(\text{NH}_3)_4](\text{NO}_3)_2$	up to 4 %	20634-12-2		pale yellow
Tetraammineplatinum(II) nitrate <i>solution</i> "TPN Pt"	$[\text{Pt}(\text{NH}_3)_4](\text{NO}_3)_2$	3%	20634-12-2		pale yellow
Tetrakis(triphenylphosphane)platinum(0)	$[\text{Pt}(\text{PPh}_3)_4]$	15%	14221-02-4	1244.24	yellow

(1) Also available in organic solvents upon request

(2) Also available as tailor-made blends upon request

## Rhenium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium tetraoxorhenate(VII) „Ammonium Perrhenate“	$\text{NH}_4[\text{ReO}_4]$	69%	13598-65-7	268.24	colorless
Hydroxotrioxorhenium(VII) <i>solution</i> „Perrhenic Acid“	$[\text{HReO}_4]$	up to 60 %	13768-11-1		colorless
Potassium tetraoxorhenate(VII)	$\text{K}[\text{ReO}_4]$	64%	10466-65-6	289.30	colorless
Rhenium	Re				
Rhenium <i>pellets</i>	Re	min. 99.9 %	7440-15-5	186.207	grey
Rhenium <i>powder</i>	Re	min. 99.9 %	7440-15-5	186.207	grey

## Rhodium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
(Acetylacetonato)carbonyl(triphenylphosphane)rhodium(I) "ROPAC"	[Rh(acac)(CO)(PPh <sub>3</sub> )]	21%	25470-96-6	492.32	yellow
Acetylacetonato(cycloocta-1,5-diene)rhodium(I)	Rh(acac)(cod)]	33%	12245-39-5	310.20	yellow
(Acetylacetonato)dicarbonylrhodium(I) "CARAC"	[Rh(acac)(CO) <sub>2</sub> ]	40%	14874-82-9	258.04	red-green
Ammonium hexachlororhodate(III)	(NH <sub>4</sub> ) <sub>3</sub> [RhCl <sub>6</sub> ]	27%	15336-18-2	369.74	red
Bis(bicyclo[2.2.1]hepta-2,5-diene)rhodium(I) tetrafluoroborate or: Bis(norbornadiene)rhodium(I) tetrafluoroborate	[Rh(nbd) <sub>2</sub> ]BF <sub>4</sub>	27%	36620-11-8	373.99	red
Bis(cycloocta-1,5-diene)rhodium(I) hexafluoroantimonate	[Rh(cod) <sub>2</sub> ]SbF <sub>6</sub>	18%		555.01	red
Bis(cycloocta-1,5-diene)rhodium(I) hexafluorophosphate	[Rh(cod) <sub>2</sub> ]PF <sub>6</sub>	22%	62793-31-1	464.24	red
Bis(cycloocta-1,5-diene)rhodium(I) trifluoromethanesulfonate	[Rh(cod) <sub>2</sub> ]CF <sub>3</sub> SO <sub>3</sub>	22%	99326-34-8	468.34	red
Bis(cycloocta-1,5-diene)rhodium(I) tetrafluoroborate	[Rh(cod) <sub>2</sub> ]BF <sub>4</sub>	25%	35138-22-8	406.08	reddish brown
Carbonylhydridotris(triphenylphosphane)rhodium(I) "RODRIDO"	[RhH(CO)(PPh <sub>3</sub> ) <sub>3</sub> ]	11%	17185-29-4	918.80	yellow
Chlorotris(triphenylphosphane)rhodium(I) "Wilkinson's Catalyst"	[RhCl(PPh <sub>3</sub> ) <sub>3</sub> ]	11%	14694-95-2	925.24	red
Di-μ-acetato-bis[acetatorrhodium(II)] "Green Rhodium Acetate"	[(Rh(OAc)) <sub>2</sub> (μ-OAc) <sub>2</sub> ]	46%	15956-28-2	441.99	green
Di-μ-chloro-bis[(bicyclo[2.2.1]hepta-2,5-diene)rhodium(I)] or: Di-μ-chloro-bis[(norbornadiene)rhodium(I)]	[(Rh(nbd)) <sub>2</sub> (μ-Cl) <sub>2</sub> ]	45%	12257-42-0	461.00	yellow
Di-μ-chloro-bis[(cycloocta-1,5-diene)rhodium(I)]	[(Rh(cod)) <sub>2</sub> (μ-Cl) <sub>2</sub> ]	42%	12092-47-6	493.08	yellow
Di-μ-chloro-bis[chloro(pentamethylcyclopentadienyl)rhodium(III)]	[(RhClCp*) <sub>2</sub> (μ-Cl) <sub>2</sub> ]	33%	12354-85-7	618.08	reddish brown
Di-μ-chloro-bis(dicarbonylrhodium(I))	[(Rh(CO) <sub>2</sub> ) <sub>2</sub> (μ-Cl) <sub>2</sub> ]	53%	14404-25-2	388.76	red
Di-μ-propionato-bis[propionatorrhodium(II)] "Rhodium Propionate"	[(Rh(C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> )) <sub>2</sub> (μ-C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> ) <sub>2</sub> ]	41%	31126-81-5	498.10	green
Hexaamminerhodium(III) chloride	[Rh(NH <sub>3</sub> ) <sub>6</sub> ]Cl <sub>3</sub>	33%	13820-96-7	311.45	colorless
Hexaamminerhodium(III) chloride <i>solution</i>	[Rh(NH <sub>3</sub> ) <sub>6</sub> ]Cl <sub>3</sub>	up to 2 %	13820-96-7		colorless
Hexaamminerhodium(III) hydroxide <i>solution</i>	[Rh(NH <sub>3</sub> ) <sub>6</sub> ](OH) <sub>3</sub>	up to 8%			pale yellow
Pentaamminechlororhodium(III) chloride	[RhCl(NH <sub>3</sub> ) <sub>5</sub> ]Cl <sub>2</sub>	35%	13820-95-6	294.42	yellow
Rhodium	Rh				
Rhodium 2-ethylhexanoate <i>solution in 2-ethyl hexanol</i> „Rh 2-EH“	„Rh <sub>2</sub> (C <sub>8</sub> H <sub>15</sub> O <sub>2</sub> ) <sub>4</sub> “	up to 2 %	20845-92-5		reddish brown

Rhodium acetate	"Rh(OAc) <sub>x</sub> "	39%	42204-14-8 / 26105-49-7		brown
Rhodium acetate <i>acetic solution</i>	"Rh(OAc) <sub>x</sub> "	up to 8%	42204-14-8 / 26105-49-7		brown
Rhodium Bath DK 20		2.5 g / L	10489-46-0		yellowish brown
Rhodium Bath DK 80		80 g / L	7664-93-9		dark brown
Rhodium sulfite <i>solution</i>	„Rh(SO <sub>3</sub> ) <sub>x</sub> “	up to 6 %			brownish yellow
Rhodium(III) chloride	RhCl <sub>3</sub>	49%	10049-07-7	209.26	red
Rhodium(III) chloride <i>solution</i>	RhCl <sub>3</sub>	up to 20%	13569-65-8		red
Rhodium(III) chloride hydrate	RhCl <sub>3</sub> · n H <sub>2</sub> O	38%	20765-98-4	209.26 a.c.	red
Rhodium(III) iodide	RhI <sub>3</sub>	21%	15492-38-3	483.62	black
Rhodium(III) nitrate <i>solution</i>	Rh(NO <sub>3</sub> ) <sub>3</sub>	up to 13%	10139-58-9		brown
Rhodium(III) nitrate hydrate	Rh(NO <sub>3</sub> ) <sub>3</sub> · n H <sub>2</sub> O	40%	13465-43-5	288.92 a.c.	brown
Rhodium(III) oxide hydrate	Rh <sub>2</sub> O <sub>3</sub> · n H <sub>2</sub> O	55%	21656-02-0	253.81 a.c.	yellow
Rhodium(III) phosphate <i>solution</i>	RhPO <sub>4</sub>	up to 3 %	67859-71-6		yellow - red
Rhodium(III) sulfate <i>solution</i>	Rh <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	up to 12%	10489-46-0		brown
Sodium hexachlororhodate(III) hydrate	Na <sub>3</sub> [RhCl <sub>6</sub> ] · n H <sub>2</sub> O	20%	15002-93-3	384.59 a.c.	red
Tris(acetylacetonato)rhodium(III)	[Rh(acac) <sub>3</sub> ]	26%	14284-92-5	400.23	yellow

## Ruthenium Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Ammonium μ-nitrido-bis[quatetrachlororuthenate(IV)]	(NH <sub>3</sub> ) <sub>4</sub> [(RuCl <sub>4</sub> (H <sub>2</sub> O)) <sub>2</sub> (μ-N)]	34%	27316-90-1	589.92	red
Ammonium hexachlororuthenate(IV)	(NH <sub>4</sub> ) <sub>2</sub> [RuCl <sub>6</sub> ]	31%	18746-63-9	349.87	brown
Carbonyldihydridotris(triphenylphosphane)ruthenium(II)	[Ru(H) <sub>2</sub> (CO)(PPh <sub>3</sub> ) <sub>3</sub> ]	11%	25360-32-1	917.98	cream
Di-μ-chloro-bis[chloro( <i>p</i> -cymene)ruthenium(II)]	[(RuCl(C <sub>10</sub> H <sub>14</sub> )) <sub>2</sub> (μ-Cl) <sub>2</sub> ]	33%	52462-29-0	612.39	reddish brown
Dichloro(cycloocta-1.5-diene)ruthenium(II)	[RuCl <sub>2</sub> (cod)] <sub>n</sub>	35%	50982-12-2	280.16	brown
Dichlorotris(triphenylphosphane)ruthenium(II)	[RuCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub> ]	10%	15529-49-4	958.86	reddish brown
Ruthenium	Ru				

Ruthenium <i>pellets</i>	Ru		7440-18-8	101.07	silver
Ruthenium acetate	"Ru(OAc) <sub>x</sub> "	47%	55466-76-7		black
Ruthenium(III) chlorid hydrate	RuCl <sub>3</sub> · n H <sub>2</sub> O	40%	14898-67-0	207.43 a.c.	brownish black
Ruthenium(III) chloride	RuCl <sub>3</sub>	49%	10049-08-8	207.43	brown
Ruthenium(III) chloride <i>solution</i>	RuCl <sub>3</sub>	up to 20%	10049-08-8		brown
Ruthenium(IV) oxide	RuO <sub>2</sub>	75%	12036-10-1	133.07	black
Ruthenium(IV) oxide hydrate	RuO <sub>2</sub> · n H <sub>2</sub> O	62%	32740-79-7	133.07 a.c.	black
Tetradecaammine-di-μ-oxo-triruthenium(III,IV)-hexachloride hydrate; "Ruthenium Red"	[(NH <sub>3</sub> ) <sub>5</sub> Ru <sup>III</sup> (μ-O)Ru <sup>IV</sup> (NH <sub>3</sub> ) <sub>4</sub> (μ-O)Ru <sup>III</sup> (NH <sub>3</sub> ) <sub>5</sub> )Cl <sub>6</sub> · n H <sub>2</sub> O	35%	25125-46-6	786.35 a.c.	violet
Trinitratonitrosylruthenium(II)	[Ru(NO <sub>3</sub> ) <sub>3</sub> (NO)]	30%	34513-98-9	317.09	red-brown
Trinitratonitrosylruthenium(II) <i>solution</i>	[Ru(NO <sub>3</sub> ) <sub>3</sub> (NO)]	up to 15%	34513-98-9		claret
Trinitratonitrosylruthenium(II) <i>technical solution</i>	[Ru(NO <sub>3</sub> ) <sub>3</sub> (NO)]	up to 15%	34513-98-9		brown
Tris(acetylacetonato)ruthenium(III) "Ruthenium Acetylacetonate"	[Ru(acac) <sub>3</sub> ]	25%	14284-93-6	398.40	red

## Silver Compounds

	Formula	Metal Contained approx.	CAS	Molecular Mass	Color
Potassium dicyanoargentate(I)	K[Ag(CN) <sub>2</sub> ]	54%	506-61-6	199.01	colorless
Silver	Ag				
Silver(I) acetate	Ag(OAc)	64%	563-63-3	166.92	colorless
Silver(I) carbonate	Ag <sub>2</sub> CO <sub>3</sub>	78%	534-16-7	275.75	yellow
Silver(I) chloride	AgCl	75%	7783-90-6	143.32	colorless
Silver(I) cyanide	AgCN	80%	506-64-9	133.89	colorless
Silver(I) nitrate	AgNO <sub>3</sub>	63%	7761-88-8	169.88	colorless
Silver(I) oxide	Ag <sub>2</sub> O	93%	20667-12-3	231.74	brown
Silver(I) sulfate	Ag <sub>2</sub> SO <sub>4</sub>	69%	10294-26-5	311.80	colorless
Silver(II) oxide	AgO	87%	1301-96-8	123.87	black