

Silver inventory
Last updated: 13 July 2010

Name of the substance	Identification numbers		REACH Category	REACH-relevant classification (as per Annex I of Directive 67/548/EEC)	Total number of registrations	Tonnage bands declared by Consortium Members								Chemical Safety Report required?	Registration deadline	Pre-SIEF size	Proposed SIEF Formation Facilitator	Volunteer Lead Registrant
	CAS	EC				> 1000 tonnes/year	100-1000 tonnes/year		10-100 tonnes/year		1-10 tonnes/year							
Silver	7440-22-4	231-131-3	Mono-constituent	None	33	3	3s	12	12s	16	16s	2	1s + 1i	YES	2010	1167	Aurubis	Aurubis
Silver nitrate (in aq. solution)	7761-88-8	231-853-9	Mono-constituent	R50-53	12			2	1s + 1i	6	5s + 1i	4	2s + 2i	YES	2010	302	B-lands Consulting / /	Ames Goldsmith
Disilver oxide	20667-12-3	243-957-1	Mono-constituent	None	6					4	3s + 1i	2	2s	YES	2013 (?)	133	Ames Goldsmith	Ames Goldsmith
Silver carbonate	534-16-7	208-590-3	Mono-constituent	None	3					1	1i	2	2s	NO	2018	37	None	Johnson Matthey
Disilver(1+) sulphate	10294-26-5	233-653-7	Mono-constituent	None	2							2	2s	NO	2018	50	None	Johnson Matthey
Silver chloride	7783-90-6	232-033-3	Mono-constituent	None	7			1	1i	2	2i	4	4i	NO	2018	159	None	Umicore
Silver bromide	7785-23-1	232-076-8	Mono-constituent	None	1					1	1i			NO	2018	32	None	Umicore
Disilver sulphide	21548-73-2	244-438-2	Mono-constituent	None	1							1	1i	NO	2018	21	None	Umicore

Gold inventory
Last updated: 13 July 2010

Name of the substance	Identification numbers		REACH Category	REACH-relevant classification (as per Annex I of Directive 67/548/EEC)	Total number of registrations	Tonnage bands declared by Consortium Members				Chemical	Registrati	Pre-SIEF	Proposed SIEF	Volunteer Lead
	CAS	EC				Safety Report	on							
						10-100 tonnes/year		1-10 tonnes/year		required?	deadline	sizes	Formation Facilitator	Registrant
Gold	7440-57-5	231-165-9	Mono-constituent	None	23	11	11s	12	11s + 1i	YES	2018	531	Norddeutsche Affinerie	Carl Hafner
Tetrachloroauric acid (in aq. solution)	16903-35-8	240-948-4	Mono-constituent	None	4	1	1i	3	3s	NO	2018	49	None	Johnson Matthey
Aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	68365-87-7	269-858-3	Mono-constituent	None	1			1	1s	NO	2018	13	None	Johnson Matthey
Balsams, copaiba, sulfurized, mixed with turpentine, gold salts	68990-27-2	273-589-7	UVCB	None	1			1	1i	NO	2018		None	Heraeus
Gold trihydroxide	1303-52-2	215-120-0	Mono-constituent	None	1			1	1i	NO	2018	31	None	

Precious metal cyanides inventory
Last updated: 13 July 2010

Name of the substance	Identification numbers		REACH Category	REACH-relevant classification (as per Annex I of Directive 67/548/EEC)	Total number of registrations	Tonnage bands declared by Consortium				Chemical Safety Report	Registrati on deadline	Pre-SIEF size	Proposed SIEF Formation Facilitator	Volunteer Lead Registrant
	CAS	EC				10-100 tonnes/year		1-10 tonnes/year						
Potassium dicyanoargentate	506-61-6	208-047-0	Mono-constituent	None	5	3	3s	2	2s	YES	2018	41	None	
Silver cyanide	506-64-9	208-048-6	Mono-constituent	None	6	1	1s	5	5s	YES	2018	46	REACH Registration Services Ltd.	
Potassium dicyanoaurate	13967-50-5	237-748-4	Mono-constituent	None	8	2	2s	6	6s	YES	2018	60	None	Umicore
Potassium tetrakis (cyano-C)aurate	14263-59-3	238-145-9	Mono-constituent	None	2			2	2s	NO	2018	29	None	

Platinum group metals Indicative list
Last update: 13 July 2010

REACH Category	Name of the substance	Identification numbers		Information on compound's		Status of the substance	REACH-relevant classification (as per Annex I of Directive 67/548/EEC)	Total number of registrations	Tonnage bands declared by Consortium Members				Chemical Safety Report required?	Registrati on deadline	Pre-SIEF sizes	Proposed SIEF Formation Facilitator	Volunteer Lead Registrant	CLP Sample provider		
		CAS	EC	CAS	EC				100-1000 tonnes/year	10-100 tonnes/year	1-10 tonnes/year									
Mono-constituent substances	Platinum (solid only)	7440-06-4	231-116-1			Anhydrous solid	None	19			7	7s	12	12s	YES	2018	536	Johnson Matthey	Vale	
	Hexachloroplatinic acid	16941-12-1	241-010-7	26023-84-7 or 18497-13-7		Both anhydrous and hydrated (crystalline) solid and solution (in water, water+HCl, weak HCl, aqua regia+HCl, or 2-Propanol)	None	9		3	3s	6	4s + 2i	YES	2018	107	Johnson Matthey	Johnson Matthey		
	Tetraammineplatinum dichloride	13933-32-9	237-706-5			Both solid (probably hydrate) and solution (weak ammonia)	None	3				3	2s + 1i	NO	2018	23	Johnson Matthey	Johnson Matthey		
	Tetraammineplatinum dinitrate (in solution)	20634-12-2	243-929-9			Solution (in water, HNO3, NH4NO3)	None	3		1	1s	2	2s	YES	2018	25	Johnson Matthey			
	Diammineplatinum (II) nitrite	14286-02-3	238-203-3			Both solid and solution (in water, in ammonia, HNO3)	None	2				2	2s	NO	2018	23	Ecomundo			
	Dipotassium tetrachloroplatinate (solid only)	10025-99-7	233-050-9			Anhydrous solid	None	1				1	1s	NO	2018	35	None	Heraeus		
	Platinum dioxide	1314-15-4	215-223-0	52785-06-5		Both hydrate and anhydrous solid	None	2				2	1s + 1i	NO	2018	87	None	Umicore		
	Dihydrogen hexahydroxyplatinate, compound with 2-aminoethanol (1:2) (in solution)	68133-90-4	268-717-3			Solution (in aminoethanol, in water)	None	3				3	3s	NO	2018	21	None			
	Dipotassium hexachloroplatinate (solid only)	16921-30-5	240-979-3			Anhydrous solid	None	4		2	2i	2	1s + 1i	NO	2018	34	None	Heraeus		
UVCB substances	Platinum dinitrate	18496-40-7	242-383-9			Both solid and solution (in varying media including HNO3)	None	2		1	1s	1	1s	YES	2018	24	None			
	Platinum, 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane complexes / Karstedt concentrate (in solution)	68478-92-2	270-844-4	Mixture: 52672-74-9	Mixture: 258-092-5	Solution (in Divinyl-tetramethyl-disiloxane, in 1,1,3,3-Tetramethyl-1,3-divinylsiloxane; propan-2-ol)	None	2		1	1s	1	1s	YES	2018	71	Dow Corning	Heraeus		
Mono-constituent intermediates																Europe S.A. (GR)				
	Diammonium hexachloroplatinate	16919-58-7	240-973-0			Both hydrated and anhydrous solid	None	4	1	1i	2	2i	1	1i	NO	2013	26	None	Johnson Matthey	
	Dihydrogen hexahydroxyplatinate (solid only)	51850-20-5	257-471-2			Hydrated and anhydrous solid	None	2			1	1i	1	1i	NO	2018	19	None	Johnson Matthey	
	Platinum dichloride (in solution)	10025-65-7	233-034-1			Solution (in water)	None	1			1	1i		NO	2018	38	None	Umicore		
	Dipotassium platinate (in solution)	12285-90-4	235-554-4			Solution (in water and KOH)	None	1					1	1i	NO	2018	23	None	Umicore	
REACH Category	Name of the substance	Identification numbers		Information on compound's		Status of the substance	REACH-relevant classification (as per Annex I of Directive 67/548/EEC)	Total number of registrations	Tonnage bands declared by Consortium Members				Chemical Safety Report required?	Registrati on deadline	Pre-SIEF sizes	Proposed SIEF Formation Facilitator	Volunteer Lead Registrant	CLP Sample provider		
		CAS	EC	CAS	EC				100-1000 tonnes/year	10-100 tonnes/year	1-10 tonnes/year									
	Mono-constituent substances	Palladium (solid only)	7440-05-3	231-115-6			Anhydrous solid	None	18		9	9s	9	9s	YES	2018	482	B-lands Consulting	Umicore	
		Palladium dichloride	7647-10-1	231-596-2			Both (anhydrous) solid and solution (in water)	None	4				4	4s	NO	2018	82	None		
		Dihydrogen tetrachloropalladate(2-) (in solution)	16970-55-1	241-047-9			Solution (in aqueous HCl)	None	4		1	1s	3	2s + 1i	YES	2018	35	Johnson Matthey	Heraeus	
		Diammedichloropalladium	13782-33-7	237-437-3			Both anhydrous solid and solution (in water)	None	5	1	1i	2	2s	2	1s + 1i	YES	2013	28	Ecomundo	Heraeus
		Dichlorobis(triphenylphosphine)palladium (solid only)	13965-03-2	237-744-2			Anhydrous solid	None	2				2	2s	NO	2018	36	None	Heraeus	
		Palladium (II) di(4-oxopent-2-en-2-ate) (solid only)	14024-61-4	237-859-8			Anhydrous solid	None	2		2	2s			YES	2018	24	None	Heraeus	
		Palladium(II) acetate	3375-31-3	222-164-4			Both anhydrous solid and solution (in water)	None	4				4	4s	NO	2018	37	None	Heraeus	
		Palladium monoxide (solid only)	1314-08-5	215-218-3			Both hydrate and anhydrous solid	None	2		1	1s	1	1s	YES	2018	96	None		
		Tetraamminepalladium (II) nitrate	13601-08-6	237-078-2			Both solid and solution (in aqueous HNO3)	None	3				3	3s	NO	2018	22	Johnson Matthey	Johnson Matthey	
		Tetraamminepalladium(2+) dichloride	13815-17-3	237-489-7			Anhydrous solid and solution (in water or aqueous ammonia hydroxide)	None	5		1	1s	4	2s + 2i	YES	2018	24	None	Carl Hafner	
		Tetraamminepalladium(2+) dihydroxide	68413-68-3	270-241-6			Both solid and solution (in water)	None	2				2	2s	NO	2018	15	None		
		Tetrakis(triphenylphosphine)palladium (solid only)	14221-01-3	238-086-9			Anhydrous solid	None	2				2	2s	NO	2018	38	Ecomundo	Umicore	
		Palladium sulphate	13566-03-5	236-957-8			Both solid and solution (in water with up to 30 % of free Sulphate, or aqueous sulfuric acid)	None	3				3	3s	NO	2018	28	None	Heraeus	
		Tetraamminepalladium(2+) diacetate (in solution)	61495-96-3	262-819-1			Solution (in water)	None	1				1	1s	NO	2018	13	None	Umicore	
		Disodium tetrachloropalladate	13820-53-6	237-502-6			Both solid and solution (in HCl)	None	4				4	3s + 1i	NO	2018	24	None		
		Palladium dinitrate (in solution)	10102-05-3	233-265-8			Solution (in water or weak HNO3)	None	6		2	2s	4	4s	YES	2018	60	None	Heraeus	
	Mono-constituent intermediates	Palladium dioxide (solid only)	12036-04-3	234-836-4			Anhydrous solid	None	1		1	1i			NO	2018	65	None	Umicore	
		Palladium dihydroxide (solid only)	12135-22-7	235-219-2			Hydrated solid	None	1				1	1i	NO	2018	22	None		
Diammonium hexachloropalladate (solid only)		19168-23-1	242-854-9			Anhydrous solid	None	2	1	1i	1	1i		NO	2013	70	Ecomundo	Johnson Matthey		
Dipotassium hexachloropalladate (solid only)		16919-73-6	240-974-6	19662-89-6, 16919-73-6		Anhydrous solid	None	2		1	1i	1	1i	NO	2018	19	None	Carl Hafner		
UVCB substance																				

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		CAS	EC	CAS	EC				100-1000 tonnes/year	10-100 tonnes/year	1-10 tonnes/year						
Mono-constituent substances	Iridium (solid only)	7439-88-5	231-095-9			Anhydrous solid	None	8			8	75 + 11	NO	2018	154	None	Johnson Matthey
	Iridium trichloride	10025-83-9	233-044-6	14996-61-3		Both solid and solution (in HCl, in water)	None	2			2	2s	NO	2018	25	None	
	Di-μ-chlorobis((1,2,5,6-eta)cycloocta-1,5-diene)diiridium	12112-67-3	235-170-7			Both (anhydrous) solid and solution (in alcohol)	None	2			2	2s	NO	2018	22	None	Umicore
UVCB substance	Hexachloroiridic acid, Hydrogen hexachloroiridate (IV)	16941-92-7	241-012-8			Both solid and solution (in aqueous HCl, in water)	None	2			2	2s	NO	2018	25	None	Heraeus
Mono-constituent intermediate	Iridium dioxide (solid only)	12030-49-8	234-743-9			Anhydrous solid	None	2			2	2i	NO	2018	59	None	
	Diammonium hexachloroiridate (solid only)	16940-92-4	241-007-0			Both anhydrous and hydrated solid	None	3			3	3i	NO	2018	17	None	Johnson Matthey

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		CAS	EC	CAS	EC				100-1000 tonnes/year	10-100 tonnes/year	1-10 tonnes/year								
Mono-constituent substances	Rhodium (solid only)	7440-16-6	231-125-0			Anhydrous solid	None	8			1	1s	7	7s	YES	2018	297	None	Anglo
	Carbonyl(pentane-2,4-dionato-O,O')(triphenylphosphine)rhodium (solid only)	25470-96-6	247-015-0			Anhydrous solid	None	3			1	1s	2	2s	YES	2018	20	None	Johnson Matthey
	Carbonylhydrottris(triphenylphosphine)rhodium (solid only)	17185-29-4	241-230-3			Anhydrous solid	None	2					2	2s	NO	2018	19	None	Umicore
	Dicarbonyl(pentane-2,4-dionato-O,O')rhodium (solid only)	14874-82-9	238-947-9			Anhydrous solid	None	3					3	3s	NO	2018	22	None	Umicore
	Rhodium tris(2-ethylhexanoate) (in solution)	20845-92-5	244-079-1			Solution (in 2-ethylhexanol or 2-ethylhexanoic acid)	None	2					2	2s	NO	2018	16	None	
	Rhodium trichloride	10049-07-7	233-165-4	20765-98-4 / 13569-65-8		Both solid and solution (in water or weak HCl)	None	4					4	2s + 2i	NO	2018	39	None	Heraeus
	Di-μ-chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I) (solid only)	12092-47-6	235-157-6			Anhydrous solid	None	2					2	2s	NO	2018	20	None	Umicore
	Tris(triphenylphosphine) rhodium (I) chloride (solid only)	14694-95-2	238-744-5			Anhydrous solid	None	2					2	2s	NO	2018	23	None	Umicore
	Rhodium triiodide (solid only)	15492-38-3	239-521-5			Anhydrous solid	None	1					1	1s	NO	2018	22	None	Umicore
	Dirhodium trisulphate	10489-46-0	234-014-5			Solution (in aqueous sulfuric acid)	None	3					3	3s	NO	2018	31	Ecomundo	
	Rhodium phosphate (in solution)	67859-71-6	267-420-6			Solution (in phosphoric acid)	None	1					1	1s	NO	2018	13	None	
	Dirhodium trioxide (solid only)	12036-35-0	234-846-9			Anhydrous solid	None	2					2	1s + 1i	NO	2018	39	None	Umicore
	UVCB substances	Rhodium (III) acetate	42204-14-8	255-707-9			Both solid and solution (in acetic acid, in water)	None	2				2	2s	NO	2018	25	None	Umicore
		Rhodium trinitrate (in solution)	10139-58-9	233-397-6	13465-43-5		Solution (in water or weak HNO3)	None	5				5	4s + 1i	NO	2018	34	None	
Mono-constituent intermediates	Rhodium trihydroxide (solid only)	21656-02-0	244-508-2			Hydrated solid	None	2					2	2i	NO	2018	21	None	Heraeus
	Triammonium hexachlororhodate (solid only)	15336-18-2	239-364-2			Anhydrous and hydrated solid	None	2				2	2i		NO	2018	18	None	Vale
	Diammonium sodium hexakis(nitrito-N)rhodate (solid only)	64164-17-6	264-713-0			Hydrated solid	None	1			1	1i			NO	2018	12	Vale Inco	Vale

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		CAS	EC	CAS	EC				100-1000 tonnes/year	10-100 tonnes/year	1-10 tonnes/year							
Mono-constituent substances	Ruthenium (solid only)	7440-18-8	231-127-1			Anhydrous solid	None	8		2	2s	6	6s	YES	2018	138	None	Heraeus
	Ruthenium trichloride (and hydrate)	10049-08-8	233-167-5	14898-67-0		Hydrated solid and solution (in aqueous HCl)	None	3				3	3s	NO	2018	44	None	Heraeus
	Ruthenium (IV) oxide (solid only)	12036-10-1	234-840-6	32740-79-7		Both hydrated and anhydrous solid	None	4				4	1s + 3i	NO	2018	50	None	Heraeus
	Tris(nitrate-O)nitrosyruthenium	34513-98-9	252-068-8			Both solid and solution (in HNO3, in water)	None	3				3	2s + 1i	NO	2018	17	Ecomundo	
	Hexakis(μ-acetato-O,O')-μ3-oxo-triangulo-triruthenium acetate / Ruthenium acetate	55466-76-7	259-653-7			Both solid and solution (in acetic acid, in water)	250/53	3				3	2s + 1i	NO	2018	14	None	Umicore
	Dichlorotris(triphenylphosphine)ruthenium (solid only)	15529-49-4	239-569-7			Anhydrous solid	None	1				1	1s	NO	2018	20	None	Umicore
	Tetraammonium decachloro-μ3-oxodiruthenate(4-) (solid only)	85392-65-0	286-924-7			Hydrated solid	None	1		1	1i			NO	2018	9	Vale Inco	Vale
Mono-constituent intermediates	Potassium tetraxoruthenate (in solution)	31111-21-4	250-473-4			Solution (in aqueous HCl)	None	1				1	1i	NO	2018	17	None	Umicore
	Ruthenium trihydroxide (solid only)	12135-42-1	235-221-3			Hydrated solid	None	1				1	1i	NO			Umicore	
	Diammonium hexachlororuthenate (solid only)	18746-63-9	242-552-7			Anhydrous solid	None	2		1	1i	1	1i	NO	2018	17	Ecomundo	Heraeus
UVCB Intermediate																		

Rhenium inventory
Last updated: 13 July 2010

Name of the substance	Identification numbers		REACH Category	REACH-relevant classification (as per Annex I of	Total number of registrations	Tonnage bands declared by Consortium				Chemical Safety Report	Registration deadline	Pre-SIEF size	Proposed SIEF Formation Facilitator	Volunteer Lead Registrant
	CAS	EC				10-100 tonnes/year	1-10 tonnes/year							
Rhenium	7440-15-5	231-124-5	Mono-constituent	None	6			6	6s	NO	2018	184	Climax Molybdenum	KGHM Ecoren
Perrhenic acid (in solution)	13768-11-1	237-380-4	Mono-constituent	None	2			2	1s + 1i	NO	2018	44	Johnson Matthey	Heraeus
Ammonium perrhenate	13598-65-7	237-075-6	Mono-constituent	None	7	1	1s	6	6s	YES	2018	130	Climax Molybdenum	Heraeus
Sodium rhenate (in aq. solution)	13472-33-8	236-742-9	Mono-constituent	None	1			1	1i	NO	2018	18	Climax Molybdenum	Climax Molybdenum
Potassium perrhenate	10466-65-6	233-953-8	Mono-constituent	None	1			1	1i	NO	2018			Heraeus
Dirhenium heptasulphide	12038-67-4	234-882-5	Mono-constituent	None	1			1	1i	NO	2018	22	Johnson Matthey	Johnson Matthey