



CALENDAR:

17 January 2017:
PMC Management
Committee conf call

15 March 2017:
PMC Management
Committee, Brussels

21-23 March 2017:
PMC Spring back to
back meetings,
Brussels

25 April 2017:
2nd Brainstorming
session on PMC future,
Brussels

31 May-1 June 2017:
PMC General
Assembly, Pforzheim

17-19 October 2017:
PMC Autumn back to
back meetings,
Brussels

5-6 December 2017:
PMC General
Assembly, Brussels

Dear Members,

2016 is ending with the submission of the Pd dossiers which is a significant achievement for the Precious Metals Consortium. The Pt dossiers are under finalisation. 2017 will start with some remaining challenges with Karstedt and will continue with the finalisation of Rh, Ru and TCA dossiers. Overall, PMC has now found its stride and we are confident that the remaining registrations will be completed smoothly thanks to your continuous support and engagement.

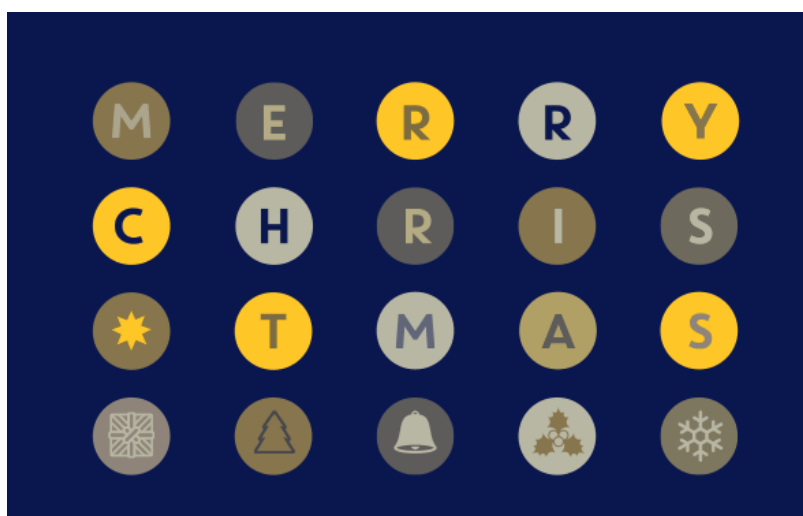
2016 confirmed that REACH is only at its beginning and that only one chapter of the book will be finalised with the end of the registration phase. The Risk Management phase is starting now and PMC must be equipped to address it. Chemicals Management is high on the European but also International agenda and we now need to make the best use of all the data generated to comply with the future regulatory trends.

On the top of the finalisation of the registration, 2017 will be dedicated to the development of a strong knowledge management system. This will allow us to make the best use of all our data and to remodel the PMC to ensure addressing the next challenges in a efficient and pragmatic way.

The whole PMC team would like to wish you and your family an excellent and well deserved Christmas break and a peaceful holiday season.

Many thanks again for your trust and continuous support!

France





PMC Administration

Overview of PMC already registered substances

Name of the substance	Identification numbers		Tonnage band	LR	Registered by LR
	CAS	EC			
Silver	7440-22-4	231-131-3	> 1000 t/y	Aurubis	Nov 2010
Silver nitrate	7761-88-8	231-853-9	100-1000 t/a	Ames	Nov 2010
Disilver oxide	20667-12-3	243-957-1	100-1000 t/a	Ames	Oct 2010
Silver carbonate	534-16-7	208-590-3	1-10 t/a	Johnson Matthey	Mar 2012
Disilver(1+) sulphate	10294-26-5	233-653-7	1-10 t/a	Johnson Matthey	Mar 2012
Silver chloride	7783-90-6	232-033-3	100-1000 t/a	Agfa Gevaert	Mar 2013
Silver bromide	7785-23-1	232-076-8	100-1000 t/a	Agfa Gevaert	Mar 2013
Silver iodide	7783-96-2	232-038-0	1-10 t/a	Agfa Gevaert	Mar 2013
Gold	7440-57-5	231-165-9	10-100 t/a	C. Hafner	Apr 2016
Aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	68365-87-7	269-858-3	1-10 t/a (Annex III)	Johnson Matthey	Jun 2016
Balsams, copaiba, sulfurized, mixed with turpentine, gold salts	68990-27-2	273-589-7	1-10 t/a (Annex III)	Heraeus	Apr 2016
Silver cyanide	506-64-9	208-048-6	10-100 t/a	Saxonia Edelmetalle	Nov 2016
Potassium dicyanoaurate	13967-50-5	237-748-4	10-100 t/a	Umicore Galvanotechnik GmbH	October 2016
Palladium	7440-05-3	231-115-6	10-100 t/a	Umicore NV/SA	Approved
Palladium dichloride	7647-10-1	231-596-2	10-100 t/a	BASF	Approved
Dihydrogen tetrachloropalladate(2-) (in solution)	16970-55-1	241-047-9	10-100 t/a	Heraeus	Approved
Diamminedichloropalladium	14323-43-4	238-269-3	10-100 t/a	Heraeus	Approved
Dichlorobis(triphenylphosphine)palladium	13965-03-2	237-744-2	1-10 t/a (Annex III)	Heraeus	Approved
Palladium (II) di(4-oxopent-2-en-2-oate)	14024-61-4	237-859-8	10-100 t/a	Heraeus	Approved
Palladium(II) acetate	3375-31-3	222-164-4	1-10 t/a (Annex III)	Heraeus	October 2016
Palladium monoxide	1314-08-5	215-218-3	1-10 t/a	Heraeus	Approved
Tetraamminepalladium (II) nitrate	13601-08-6	237-078-2	1-10 t/a (Annex III)	Johnson Matthey	Ongoing
Tetraamminepalladium(2+) dichloride	13815-17-3	237-489-7	10-100 t/a	Umicore AG&Co.KG	Approved
Tetraamminepalladium(2+) dihydroxide	68413-68-3	270-241-6	1-10 t/a (Annex III)	Heraeus	Approved
Tetrakis(triphenylphosphine)palladium	14221-01-3	238-086-9	1-10 t/a (Annex III)	Umicore AG&Co.KG	Ongoing
Disodium tetrachloropalladate	13820-53-6	237-502-6	10-100 t/a	BASF	Approved
Diammonium hexachloropalladate	19168-23-1	242-854-9	10-100 t/a	Johnson Matthey	Approved
Dipotassium hexachloropalladate	16919-73-6	240-974-6	10-100 t/a	C. Hafner	Approved
Tetraammineplatinum dichloride	13933-32-9	237-706-5	1-10 t/a (Annex III)	Johnson Matthey	October 2016
Platinum dioxide	1314-15-4	215-223-0	1-10 t/a (Annex III)	Umicore AG&Co.KG	Ongoing
Iridium	7439-88-5	231-095-9	1-10 t/a (Annex III)	Johnson Matthey	May 2016
Hexachloroiridic acid, Hydrogen hexachloroiridate (IV)	16941-92-7	241-012-8	1-10 t/a (Annex III)	Heraeus	June 2016
Diammonium hexachloroiridate	16940-92-4	241-007-0	1-10 t/a (Annex III)	Johnson Matthey	May 2016
Carbonyl(pentane-2,4-dionato-O,O')(triphenylphosphine)rhodium	25470-96-6	247-015-0	1-10 t/a (Annex III)	Johnson Matthey	October 2016
Carbonylhydrotris(triphenylphosphine)rhodium	17185-29-4	241-230-3	1-10 t/a (Annex III)	Umicore AG&Co.KG	Ongoing
Di-μ-chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I)	12092-47-6	235-157-6	1-10 t/a (Annex III)	Heraeus	September
Tris(triphenylphosphine) rhodium (I) chloride	14694-95-2	238-744-5	1-10 t/a (Annex III)	Umicore AG&Co.KG	Ongoing
Tris(nitrato-O)nitrosylruthenium	34513-98-9	252-068-8	1-10 t/a (Annex III)	Umicore AG&Co.KG	Ongoing
Rhenium	7440-15-5	231-124-5	1-10 t/a (Annex III)	KGHM Metraco	Sept 2013
Perrhenic acid (in solution)	13768-11-1	237-380-4	1-10 t/a (Annex III)	Heraeus	Nov 2013
Ammonium perrhenate	13598-65-7	237-075-6	10-100 t/a	Heraeus	Jul 2013
Sodium rhenate (in aq. solution)	13472-33-8	236-742-9	1-10 t/a	Climax Molybdenum	Mar 2014
Potassium perrhenate	10466-65-6	233-953-8	1-10 t/a (Annex III)	Heraeus	Aug 2013
Refinables (ALL)					Nov 2010



Finance

2016 Accounts (by 31/10/2016)

		2016 Budget to be spent	2016 Budget to be invoiced	2016 Forecast	Expenses by 31/10/2016	Committed	TOTAL Expenses by 31/10/16 + Committed	Remaining available budget (2016 budget- Expenses- Committed)
2.1	Administrative costs	€ 618.800	€ 618.800	€ 618.800	€ 392.942	€ 109.730	€ 502.672	€ 116.128
2.2	Ag-specific costs	€ 681.250	€ 689.903	€ 400.000	€ 126.499	€ 442.282	€ 568.781	€ 112.469
2.3	Au-specific costs	€ 122.700	€ 79.550	€ 307.450	€ 88.971	€ 223.669	€ 312.640	€ -22.586
2.4	PM CN- -specific costs	€ 388.500	€ 288.200	€ 388.500	€ 220.937	€ 75.512	€ 296.449	€ 92.051
2.5	PGM-specific costs	€ 2.478.250	€ 1.785.448	€ 2.488.250	€ 1.302.906	€ 1.245.288	€ 2.548.194	€ -69.944
2.5	<i>PGM- horizontal costs</i>					€ 486.902	€ 486.902	€ -486.902
2.5a	<i>Pt-specific costs</i>	€ 1.183.955	€ 645.102	€ 1.183.955	€ 569.076	€ 334.609	€ 903.685	€ 280.270
2.5b	<i>Pd-specific costs</i>	€ 572.405	€ 622.173	€ 572.405	€ 310.848	€ 21.858	€ 332.706	€ 239.699
2.5c	<i>Rh-specific costs</i>	€ 162.470	€ 171.217	€ 162.470	€ 128.200	€ 118.479	€ 246.679	€ -84.209
2.5d	<i>Ru-specific costs</i>	€ 558.420	€ 345.956	€ 558.420	€ 281.528	€ 283.439	€ 564.967	€ -6.547
2.5e	<i>Ir-specific costs</i>	€ 1.000	€ 1.000	€ 11.000	€ 13.254	€ 0	€ 13.254	€ -12.254
2.6	Re-specific costs	€ 11.400	€ 11.400	€ 11.400	€ 1.217	€ 5.000	€ 6.217	€ 5.183
2.7	Refinables-specific costs	€ 772.550	€ 277.550	€ 772.550	€ 19.073	€ 234.472	€ 253.545	€ 519.005
2.8	SVHC Roadmap-specific costs	€ 20.000	€ 20.000	€ 0	€ 0	€ 0	€ 0	€ 20.000
	TOTAL	€ 5.093.450	€ 3.770.851	€ 4.986.950	€ 2.152.545	€ 2.335.953	€ 4.488.498	€ 772.306

Outcome of PMC Assembly (December 2016)

The Assembly acknowledged the significant progresses made in the registration process and in the different projects. However, 2017 will remain a very busy year with the finalisation of the PGMs dossiers but also with Silver Evaluation. To ensure a smooth process, it was decided to improve the approval process, create KPIs to help the Management Committee keeping track and identifying potential bottlenecks as well as encouraging all companies to act on time. A new Management Committee has been elected for a mandate of three years (2017-2019). The Chairs will be elected during the next meeting of the Management Committee. We are also happy to welcome a new member, Cri Criterion (catalysts producers). The future of PMC was discussed and the Assembly approved the following long term objectives complying with REACH obligations, preventing and mitigating the impact of Risk Management Measures on PM and becoming the Centre of Excellence for Chemicals Management of PM. The following mandate has also been approved: the core business of the PMC is EU chemicals management. EU EHS and non-EU Chemicals management have a direct impact on Core business and should be part of the PMC scope. This will be translated into a concrete proposal to be discussed at the brainstorming meeting on 25 April 2017 and approved at the Assembly meeting of June 2017.

Finally, the Assembly approved the 2017 PMC budget of 4 279 750 euros to be spent, and 3 255 250 euros to be invoiced. Invoices will be issued by the end of Q1 2017.

For more details, please read the minutes of the meeting circulated on 15 December 2016.

For more info: france.capon@epmf.be



PMC Technical matters

Ag and compounds

Substance Evaluation of Ag metal (nano): As requested in the final decision, PMC has initiated the ecotoxicity testing and physico-chemical characterisation of the smallest silver nanoform covered by the REACH registration dossier. Some preliminary testing results have already been discussed with eMSCA and ECHA to ensure correct design of the next steps of the testing program. PMC has also initiated the data collection on the uses for the two silver nanoforms that are covered by the REACH registration dossier. Only in case any of the ecotoxicity tests show higher toxicity for nanosilver as compared to ionic silver, further fate testing will have to be undertaken in 2017. If nanosilver is not more toxic, the dossier must be completed, approved and registered by 13 July 2017 (deadline set in the final decision by the authorities).

For more info: katrien.arijs@arche-consulting.be

CLH of silver containing active substances (SCAS) under BPR: Timing for the next CLH proposals of SCAS is still very unclear but some of the dossiers could be discussed in 2017 including elemental silver, which could trigger CLH discussions end of 2017. A meeting will be organized with Kemi on 11 January 2017 to clarify the process and potential issues related to SCAS.

For more info: katrien.arijs@arche-consulting.be or france.capon@epmf.be

Au and compounds

Testing status of TCA: The **OECD 422** is ongoing and a draft report is expected by April 2017.

For more info: vincent.dunon@arche-consulting.be

Ir and compounds

The REACH registration dossiers for Iridium metal, Diammonium hexachloroiridate and Hexachloroiridic acid have been registered by the LR. The co-registrants are kindly invited to register ASAP.

For more info: jelle.mertens@epmf.be

Pd and compounds

Three dossiers have been finalised; one is registered by the Lead Registrant and two are waiting registration by Lead Registrant.

The Read-Across approach for the other dossiers needed review, and has been approved by the Pd Sub-Assembly at the General Assembly meeting in Brussels (6 December). Twelve dossiers have been finalised and will be made available for submission by the Lead Registrants w/c 19 December.



Four remaining dossiers have been completed for missing information (data gaps for phys-chem endpoints in 3 dossiers, and missing uses in a fourth dossier), and will be send out for approval soon. These dossiers are expected to be available for registration by the Lead Registrant in February 2017.

For more info: maxime.eliat@arche-consulting.be

PM CN

Status of KAg(CN)₂: DNELs have been derived and soon the occupational exposure scenarios will be drafted.

Registration: The registration dossiers of **potassium dicyanoaurate** has been registered by the lead registrant and the dossier of **silver cyanide** has been submitted.

For more info: vincent.dunon@arche-consulting.be

Pt and compounds

Two dossiers have been finalised; one has been registered by the Lead Registrant, and the second is waiting registration by the Lead Registrant.

Eight dossiers are currently being finalised and will be send out for approval early 2017. The PMC internal timing for registration is Q1 2017.

For two dossiers, testing is still running:

Dihydrogen hexahydroxyplatinate, compound with 2-aminoethanol: the main study for repeated dose toxicity has been initiated 5 December, and the draft report is expected 4 months after study initiation. The PMC internal timing for registration of this substance is Q4 2017.

Karstedt concentrate: based on the dose-range finding studies for the ecotoxicity assays, and the initial hydrolysis study, it was agreed to waive the full tests for these endpoints. The in-life phase of the repeated dose toxicity study, combined with an in vivo micronucleus assay, has been completed, and the pathology data (together with a draft report) will be available end January 2017. As approved by the registrants and Management Committee, the dossier (including all available data) will be circulated w/c 12 December for review, and will be sent out in January for approval (via fast-track procedure) and registered in February 2017 as foreseen by the PMC workplan and the agreement with Reconsile.

For more info: maxime.eliat@arche-consulting.be

Analysis of Alternatives to Chloroplatinates: a meeting has been organized on 21 November to present and discuss the interim report on the AoA to chloroplatinates. This report presents a preliminary assessment of the existing of possible alternatives for the uses of chloroplatinates in production of Pt or Pt compounds, production of catalysts and in surface treatment. The main objective of the meeting was to agree on applications for which alternatives could not be identified based on current knowledge, on applications for which possible alternatives could be identified and on which alternatives are most relevant and should be further analysed in the second phase of the project. The final report is expected by end of April 2017.

For more info: france.capon@epmf.be



Re and compounds

The literature review is ongoing in the context of the dossier maintenance. **Dirhenium heptasulphide dossier** will be submitted if requested by the LR.

For more info: katrien.arijs@arche-consulting.be

Refinables

PMC Secretariat is following ongoing UVCB substance identity (SID) discussions between ECHA and Eurométaux and checking SID determination for each one of the Refinables. Refined SID sheets have been developed for the Refinables following the approach proposed by Eurométaux, and examples have been sent to ECHA to demonstrate the approach. The risk of compliance check remains high and PMC maintains its original commitment to “work jointly” to find a (workable and acceptable) solution. A workshop with ECHA on substance identification is being planned Q1 2017.

For more info: katrien.arijs@arche-consulting.be

Rh and compounds

Four dossiers have been finalised; two have been registered by the Lead Registrant, and two are waiting registration by the Lead Registrant.

The remaining 12 dossiers are in preparation:

- The internal Rh genotox review is currently being drafted by the PMC secretariat. The AMES tests for two poorly water soluble Rh(III) compounds (Rh trioxide, Rh trihydroxide) are ongoing (problems experienced with bringing the test substances in suspension). For Rhodium tris(2-ethylhexanoate), the test substance is currently being isolated.

- Once isolated as a solid, Rhodium tris(2-ethylhexanoate) needs to be tested for some additional phys-chem endpoints.

The uses are currently being reviewed by the PMC members

The REACH registration dossiers are scheduled to be finalised Q2 2017.

For more info: jelle.mertens@epmf.be

Ru and compounds

One dossier has been finalised, but is waiting registration by the Lead Registrant.

The remaining 6 dossiers are in preparation:

- RuCl₃: the ecotox testing is finalised, and PNECs are being derived. For mammalian toxicity, the in-life phases are completed. The draft report is available for the repeated dose toxicity assay, and is expected mid January 2017 for the reproductive toxicity screening assay.



-tetraammonium decachloro-mu-oxodiruthenate(4-) (TetradoRu): For repeated dose toxicity, the in-life phase is completed, and the draft report is expected first week of January 2017.

The uses are currently being reviewed by the PMC members

The REACH registration dossiers are scheduled to be finalised Q3 2017.

For more info: jelle.mertens@epmf.be

SVHC Roadmap

The end of 2016 was focused on the promotion of two important projects conducted with Eurometaux: the Impact assessment of Authorisation on Recycling and the Industry RMO guidance. Several meetings, including a site visit, have been organized with Commission, Member States and ECHA which demonstrated the willingness to find pragmatic and efficient solution for the issues identified in the study on Authorisation and Recycling. In parallel, the discussions are still ongoing on the listing of PbO in the Authorisation list and especially on the potential exemption under article 58(2). Further advocacy will be needed to continue to defend the recognition of OHS as a valid alternative to Authorisation.

For more info: france.capon@epmf.be



Acronyms

Afa: Application for Authorisation
BPR: Biocidal Products Regulation
CARACAL: Competent Authorities for REACH and CLP
CLH: Classification & Labelling Harmonization
CoRAP: Community Action Rolling Plan
CRO: Contract Research Organization
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
e-MS: Evaluating Member State
EOGRTS: Extended One-Generation ReproToxicity Study
ESTF: European Silver Task Force
ILA: International Lead Association
LoA: Letter of Access
LR: Lead Registrant
MSC: Member States Committee
MSCA: Member State Competent Authority
OEL: Occupational Exposure Limite
OHS: Occupational Health and Safety
PfA: Proposal for Amendment
PNEC: Predicted No-Effect Concentration
PMC: Precious Metals & Rhenium Consortium
RAC: Risk Assessment Committee
RMM: Risk Management Measure
RMOA: Risk Management Option Analysis
SCAS: Silver Containing Active Substances
STOT RE: Specific Target Organ Toxicity – Repeated Exposure
SVHC: Substance of Very High Concern
TCA: Tetrachloroauric Acid
UVCB: substance of Unknown or Variable composition, Complex reaction products or Biological materials
WG: Work Group