

PRECIOUS METALS CONSORTIUM
PM Refiners Meeting
12th of February 2008, 9h30 – 12h30
Metals Conference Centre – Gold Room
Rue du Duc 100
1150 Brussels, Belgium

PM sector - Case studies for pre-registration/registration: generic substance descriptors

Note: Existing or comparable EINECS/ELINCS entries which reference PM content are highlighted.

A. Primary feeds (derivates)

	Material stream	*Existing or comparable EINECS/ELINCS entries*	*Proposed generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
1	Extraction related derivates	None found based on extract residues for metals (but see comments)	(a) Develop a broad-based generic e.g. "Extraction related derivates, precious metal containing" (b) Differentiate between the main PM's: "Extract residues, gold containing" "Extract residues, silver containing" "Extract residues, PGM containing"	In terms of parallels, EINECS entries for extract residues from petroleum and coal exist.	Find out whether (a) can be achieved. Find out whether any other existing entry can cover PM-bearing primary feeds.
2	Mattes	*Matte, precious metal* *308-506-6* *98072-52-7*	(a) Utilise this entry (b) Introduce more differentiation, e.g.: "Matte derivate, gold and PGM	EINECS entry is non-specific in terms of metal content.	Find out with other consortia what the precious metal content of their mattes is, and verify whether precious metal matte can be covered by

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			containing" (c) Rely instead on a residues term (see overpage)		one general Registration Dossier for matte, or as part of a Ni matte or Cu matte Registration.
3	Anode slimes	Waste solids, copper-refinery anodes 273-719-2 69012-19-7 ***Waste solids, lead silver anode 305-449-9 94552-05-3*** ***Slimes and Sludges, precious metal refining 308-516-0 98072-61-8***	At least two possibilities: (a) Use existing entry for "Slimes & Sludges, precious metals refining" (b) Collaborate with other sectors on development of generic entry suitable for coverage of anode slimes (see comments)	a) More than 70 "slimes and sludges" entries exist in EINECS/ELINCS b) ECI (via Ilse Schoeters) has indicated that the Copper Consortium intends to cover the registration of anode slimes (as transported isolated intermediate) in one unified Registration Dossier. Could all anode slimes irrespective of composition be	The Cu Consortium confirmed that they intend to prepare one Registration Dossier for anode slimes, covering the anode slimes and sludges of several refining streams in one general Registration Dossier. Both consortia must agree on data-sharing and make sure all the manufacturers and importers of anode slime who are members of the PM

	Material stream	*Existing or comparable EINECS/ELINCS entries*	*Proposed generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
				covered?	Consortium and are not Members of the Cu Consortium have access to the Dossier.

B. Secondary feeds

	Material stream	*Existing or comparable EINECS/ELINCS entries*			*Proposals for generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
1	Anode slimes	Waste solids, copper-refinery anodes ***Waste solids, lead silver anode*** ***Slimes and Sludges, precious metal refining***	273-719-2 ***305-449-9*** ***308-516-0***	69012-19-7 ***94552-05-3*** ***98072-61-8***	At least two possibilities: (a) Use existing entry for "Slimes & Sludges, precious metals refining" (b) Collaborate with other sectors on development of generic entry suitable for coverage of anode slimes (see comments)	a) More than 70 "slimes and sludges" entries exist in EINECS/ELINCS b) ECI (via Ilse Schoeters) have indicated that the Copper Consortium intends to cover the registration of anode slimes (as transported isolated intermediate) in one unified Registration Dossier. Could all anode slimes irrespective of composition be covered ?	The Cu Consortium confirmed that they intend to prepare one Registration Dossier for anode slimes, covering the anode slimes and sludges of several refining streams in one general Registration Dossier. Both consortia must agree on data-sharing and make sure all the manufacturers and importers of anode slime who are members of the PM Consortium and are not Members of the Cu Consortium have access to the Dossier.

	Material stream	*Existing or comparable EINECS/ELINCS entries*			*Proposals for generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
2	Flue dusts	*Flue dust, precious metal refining*	*308-496-3*	*98072-44-7*	Use existing entry for "Flue dust, precious metal refining"	Would cover silver as well	Flue dusts are likely to be considered as Waste.
		Flue dust, silver-refining	*308-276-7*	*97926-57-3*			
3	Leach residues	*Leach residues, precious metal recovery lead refining*	*273-813-3*	*69029-72-7*	Options include: (a) Develop broad generic entry "Leach residues, precious metal recovery" (b) Devise separate entries for the various PM's (Ag, Au, PGMs)		Ideally, one entry should be compiled with the two existing ones. Eurométaux is seeking guidance on this possibility. In the meantime, other consortia should be approached to find out whether these residues are part of their scope and to agree on a data-sharing procedure if applicable.
		Leach residues, precious metal smelting scrap	*309-770-5*	*100995-79-7*			

B. Secondary feeds (continued)

	Material stream	*Existing or comparable EINECS/ELINCS entries*	*Proposals for generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
4	Residues PM, other	*Residues, precious metal recovery lead refining* 273-822-2 69029-80-7 *Residues, precious metal refining cementation* 310-051-3 102110-50-9 *Residues, silver sludge-electrolysis zinc-pptd., precious metal-contg.* 309-641-3 100656-52-8 *Residues, silver-refining* 308-309-5 97926-88-0	Several possibilities including: (a) Adding 2 more generic entries to that for "Residues, silver-refining", i.e. "Residues, gold-refining" "Residues, PGM-refining" (b) Devising a broader entry solely referencing precious metals.		This category should also cover sweeps, scraps, (spent catalysts?) and any other residue of the PM refining and recovery which is not a waste. It is not yet clear whether having all PM's contained in one entry is the best way forward or whether one entry per PM is recommended.
5	PM sweeps	No entry exists per se for "Sweeps"	(a) Consider use of suitable residues term (b) Develop specific term for sweeps and related material streams.	See also entry below for "Waste solids, precious metals refining"	Covered by B. 4.
6	Slags	*Slags, precious metal refining* 308-515-5 98072-60-7 *Slags, precious metal recovery lead refining* 273-826-4 69029-85-2	Utilise existing entry for slags containing PM.	EINECS entry is non-specific in terms of metal content.	Should slags be considered as non-waste, the first entry could apply.
7	Slimes/ Sludges	*Slimes and Sludges, precious metal refining* 308-516-0 98072-61-8	Utilise existing entry for non-specific slimes and sludges containing PM.	EINECS entry is non-specific in terms of metal content.	Covered by B.1.

	Material stream	*Existing or comparable EINECS/ELINCS entries*	*Proposals for generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
8	Spent catalysts	No entry exists per se for "Spent catalysts"	Develop a broad-based generic e.g. "Spent catalysts, precious metal containing"	EINECS entry is non-specific in terms of metal content.	Covered by B.4.
9	Waste solids	*Waste solids, precious metal refining* *308-526-5* *98072-70-9*		EINECS entry is non-specific in terms of metal content.	Out of the scope of REACH.

C. Refinery (process) intermediates

	Material stream	*Existing or comparable EINECS/ELINCS entries*	*Proposals for generic descriptor(s)*	*Comments*	*Recommendation of the group and subsequent action points*
	Proposal: Development of entries should await updated intermediates inventories from members to allow for a grouping and genericising exercise. Some obvious generic material streams in refining process are already identified, e.g.:	Filter cake, mixed PGM containing Liquors, mixed PGM containing Liquors, precious metal containing			Both liquors should be forming one entry. Solutions or hydrated forms are likely to be part of the solid or anhydrous substance Registration. However, solids and centrifuge cakes are not represented in the proposed entries. PM solids are usually related to "waste" in EINECS/ELINCS. These generic entries should only be used for generic groups of intermediates.