Precious Metals and Rhenium Consortium
Inventory of intermediates

Table 1 constitutes an essential tool to ensure a cost-efficient (pre-)registration of Precious Metals and Rhenium (complex) intermediates. The origin of the information contained in each table will be kept confidential. Only anonymised sheets will be used during the intra-Consortium and inter-consortia exchanges. This table shall be completed and returned to Caroline Braibant (braibant@epmf.be), by the 21st of March 2008.

Table1. Description of Precious Metals and/or Rhenium Intermediates subject to be registered by the Member and/or by one or more of its Affiliates under REACH. Please complete all the yellow columns of this table following the example given in the first line (in grey). Please do not modify the template: do not add, switch or remove columns, just add lines where and as necessary.

Group	Name	EC N°	CAS N°	Form(s)*	Refining process it results from	Tonnage band per form**	Average granulometry and/or particle size (nm, µm or mm)***	Particle Size Distribution (nm, µm or mm)****			Composition (main constituent(s) and impurities)*****							Relative Density (g/cm³)	Apparent Density (g/cm³)	Specific area (m²/g)	Water Solubility (20°C) (g/l)	Boiling Point (°C)	Melting Point (°C)	Loss on ignition (%)	Loss on drying at 110°C (%)
								D10	D50	D90	Name	Formula	Concentration (% or ppm)	Speciation******	EC N°	CAS N°	Hazard classification of constituent	Waste number (if any)								
Example	Anode slime	266-972-5	67711-95-9	Solution or mixture	Copper electrolytic refining	> 1000 tonnes/year	Not applicable (N/A)	N/A	N/A	N/A	Silver	Ag	35-50%	metallic Ag	231-131-3	7440-22-4	Not classified	None	3	No data	No data	Insoluble	No data	No data	No data	No data
											Gold	Au	0,012-0,25%	to be determined			Not classified									
											Antimony	Sb	0,6-3,5%	to be determined			Not classified									
											Bismuth	Bi	0,02-0,5%	to be determined			Not classified									
											Aluminium	Al	0,1-0,8%	to be determined			F; R15-17									
											Tellurium	Te	0,01-0,4%	to be determined			Not classified									
											Nickel	Ni	0,1-0,5%	to be determined			Carc. Cat. 3; R40 - R43									
											Lead	Pb	15-34%	to be determined			Not classified									
											Copper	Cu	0,5-3,0%	to be determined			Not classified									
											Selenium	Se	1,5-4,5%	to be determined			T; R23/25 - R33 - R53									
											Arsenic	As	0,5-2%	to be determined			T; R23/25 - N; R50-53									
											Chlorine	Cl	0,5-1,8%	Chlorine ions	231-959-5	7782-50-5	T; R23 - Xi; R36/37/38 - N; R50									
											Silicon	Si	0,05-1,5%	SiO2	231-545-4	7631-86-9	Not classified									
											Sulphur	S	4,5-7%	to be determined			Not classified									
Silver																										
Gold																										
PGM's																										
Rhenium																										

* Please select one of the forms proposed in the scroll-down menu.
** Please select one of the tonnage bands proposed in the scroll-down menu.
*** This specification applies to powders, crystals and grains. Should you not have the average size, please specify (e.g.: maximum size, Fisher Sub Sieve Sizer diameter (dia FSSS)).
**** Please avoid using ranges or "<" and ">" symbols. If you do not have this information, you might be required to produce it at a later stage for the purpose of the Consortium (key parameter to select and read-across from representative sample for each test).

If particle size data has not yet been established for your materials, the following route is suggested:
1. Assess non-massive solids using either 100 µm sieve, or alternative reliable technique such as microscopy;
2. If particulate <100 µm is not found or is an insignificant component of the total (<5% as rule-of-thumb), then no further particulate sizing is required;
3. In other cases where <100 µm particulate is present, produce D10, D50 and D90 particle size data for all of the solid materials you have listed on your PGM's inventory.
***** The Composition should include all significant impurities and it should be as detailed as possible (key parameter to discuss and agree on substance sameness).
****** The species/mineralogical form under which a certain element or compound is present in a Substance or Intermediate should be specified when possible (key parameter to discuss and agree on substance sameness and substance classification).

Bar	1 - 10 tonnes/year
Bullion	10 - 100 tonnes/year
Coin	100 - 1000 tonnes/year
Crystal	> 1000 tonnes/year
Grain	
Ingot	
Net	
Pellet	
Pipe	
Powder	
Puck	
Rod	
Solution or mixture	
Sheet	
Sponge	
Wire	