

**GROUP 9.3 Materials for reclaim - PM production by-products**

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(N.B.: The content of this ID Card may be adjusted as the Refiners Project develops)

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1. Identification of the group

Table 1. Identification of the group

	Proposed by PMC Refiners Work Group	Pre-registered as (EC inventory)
Name	Materials for reclaim, Precious Metal production by-products	Waste solids, precious metal refining
EC number	Request new EC number at Registration (cf. section 6 below)	308-526-5
CAS number		98072-70-9
Description	Materials that are non intentional results of the production and refining of precious metals, which contain precious metals as well as other metals.	None

N.B.: The description proposed above will be further detailed by PMC for Registration purposes.

2. Synonyms (and/or commercial names)

- Precious Metal Sweeps

3. Substances that are similar or can be considered as the same

None

4. Usual composition

Table 2. Usual composition

Type	Name of the element	Symbol	Species present (one line per species)	Most recent classification of species	Source	Usual concentration range (%)
Precious metals	Silver	Ag		None	GHS/CLP	0-85
	Gold	Au		None	GHS/CLP	0-85
	Platinum Group Metals	PGM		None	GHS/CLP	0-85



Type	Name of the element	Symbol	Species present (one line)	Most recent classification of species	Source	Usual concentration range (%)
Other metals	Aluminium	Al	Al ₂ O ₃	None	GHS/CLP	0-35
	Antimony	Sb		Likely to be classified		0-0,5
	Arsenic	As	As ₂ O ₃ ?	Carc. Cat. 1; R45; T+; R28; C; R34; N; R50-53	GHS/CLP	0-0,2
	Barium	Ba		None	GHS/CLP	0-10
	Bromine	Br		T+; R26 - C; R35 - N; R50	GHS/CLP	0-25
	Calcium	Ca		F; R15	GHS/CLP	0-20
	Chromium	Cr		R: 49-43-50/53	GHS/CLP	0-15
	Copper	Cu		Xn; R22; N; R50-53	GHS/CLP	0-6
	Lead	Pb		Repr. Cat. 1; R61 - Repr. Cat. 3; R62 - Xn; R20/22 - R33 - N; R50-53	GHS/CLP	0-5
	Iron	Fe		None	GHS/CLP	0-75
	Magnesium	Mg		None	GHS/CLP	0-10
	Nickel	Ni		Carc. 2; STOT RE 1; Skin Sens. 1	GHS/CLP	0-10
	Potassium	K		R: 14/15-34	GHS/CLP	0-20
	Silicon	Si	SiO ₂	None	GHS/CLP	0-30
	Sodium	Na		R: 14/15-34	GHS/CLP	0-30
	Tin	Sn		None	GHS/CLP	0-10
Titanium	Ti		None	GHS/CLP	0-15	
Zinc	Zn		N; R50-53	GHS/CLP	0-2	
Other constituents	Carbon	C		None	GHS/CLP	0-50
	Chlorine	Cl		T; R23 - Xi; R36/37/38 - N; R50	GHS/CLP	0-25
	Glass oxide			None	GHS/CLP	0-50

The composition given above represents the usual elemental content available to the Members of the Consortium by 7 of December 2009. This usual content represents the majority of the Precious Metals Production By-Products that are available on the EEA market.

Concentration ranges outside the ones given above do not exclude sameness and are usually referred to as unusual or exceptional situations. Each potential registrant is responsible for performing its own elemental analysis (PMC will specify preferred method in due course).

5. Classification (based on composition provided in table 2 above)

To be completed

6. Basic physico-chemical characteristics and properties

Table 3. List of physico-chemical characteristics of the substance to facilitate sameness confirmation

Characteristic	Description/value	Comment
Physical state (solid, liquid, gaseous)		
Physical form (Aerosol, Compact, Crystalline, Dispersion, Fibre, Filaments, Flakes, Liquified gas, Particulates, Paste, Pellets, Powder, Suspension, Viscous, Refrigerated Liquid, Other)		



Characteristic	Description/value	Comment
Usual particle size range(s) (D10, D50, D90 in nm, µm or mm)		
Colour		
Odour (Ammonia-like, Biting, Characteristic of sulfur-containing compounds, Characteristic of aromatic compounds, Faint, Garlic-like, Pungent, Slight, Sweetish, Odourless, Other)		
Substance type (Element, Inorganic, Natural substance, Organic, Organometallic, Petroleum Product)		
Water solubility		
Relative density (g/cm ³) or specific gravity		
Specific surface area (m ² /g)		

7. Lead Registrant

Johnson Matthey volunteers to be the Lead Registrant for this intermediate.

8. REACH Strategy

Table 4. REACH strategy for the group (basis for REACH Registration preparation)

Subject	Description	Comment
SIEF	new/sub-SIEF	Need to split SIEF 308-526-5 in three, including one sub-SIEF for Materials for reclaim, PM production by-products. Need to split SIEF 308-526-5 in three, including one sub-SIEF for Materials for reclaim, PM with or without support. Requires sameness discussion in pre-SIEF, split “Waste solids, precious metal refining” SIEF, creating an <i>ad hoc</i> SIEF, and linking registration under a new EC number with previous EC number through pre-registration number. The new EC number will be requested in parallel with the registration dossier submission, and not before.
REACH category	UVCB	Composition will vary largely.
Intermediate status	Transported	At least one Member of the PMC has declared this material as transported > 100 t/a. This will be considered as the reference to produce the Dossier as other forms (on-site and/or below 100 t/a are covered by the requirements of transported > 100 t/a).
Tonnage band	100-1000	
Information requirements	Available	
(Likely) Classification	Carc. Cat. 1, Repr. Cat. 1 and R50-53	Depends on confirmation of composition/species.
Resulting registration deadline	2010	
Other		