GROUP 10. Lead Bullion Precious Metal Rich

Version 14 January 2010

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

1. Identification of the group

Table 1. Identification of the group

	Proposed by PMC Refiners Work Group	Original (in EC inventory)
Name	Lead Bullion, Precious Metal Rich	Lead Bullion
EC number		308-011-5
CAS number		97808-88-3
Description	Metallic bars/ingots and grains and their residues resulting from the smelting of primary and secondary feeds containing low concentrations of precious metal with fluxes, using lead as a collector. Lead Bullion Precious Metal Rich contains lead with lower concentrations of silver, platinum group metals and other non-ferrous metals.	Lead Bullion is a mixed metallic substance usually formed during the primary production of lead but may also be from the smelting of secondary lead containing materials. This substance can contain high concentrations of lead and will also contain other metals in varying concentrations depending on the source of the material.

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

2. Synonyms (and/or commercial names)

- Lead Precious Metal Ingot
- Lead Precious Metal Grain
- Lead Ingot/Grain

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

None

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4. Usual composition

Table 2. Usual composition (obtained by ICP-OES and XRF)

Type	Name of the element	Symbol	Species present *(one line per species)*	Most recent classification of species	Source of classification	Usual concentration range (%)
Precious metals	Silver	Ag	Metallic	None	GHS/CLP	0-15
	Gold	Au	Metallic	None	GHS/CLP	0-1
	Platinum Group Metals	PGM	Metallic	None	GHS/CLP	0-25
Other metals	Antimony	Sb	Metallic	None	GHS/CLP	0-5
	Arsenic	As	Metallic?	Carc. Cat. 1; R45; T+; R28; C; R34; N; R50-53	GHS/CLP	0-2
			Metallic?	Carc. Cat. 1; R45; T; R23/25; N; R50-53	GHS/CLP	
	Bismuth	Bi	Metallic	None	GHS/CLP	0-10
	Cadmium	Cd	Metallic	Carc. Cat. 2; R45; Muta. Cat. 3; R68; Repr. Cat. 3; R62-63; T+; R26; T; R48/23/25; N; R50-53	GHS/CLP	< 0,1
	Copper	Cu	Metallic	None	GHS/CLP	0-20
	Lead	Pb	Metallic	None	GHS/CLP	40-80
	Iron	Fe	Metallic	None	GHS/CLP	0-2
	Nickel	Ni	Metallic	Carc. 2; STOT RE 1; Skin Sens. 1	GHS/CLP	0-10
	Selenium	Se	Metallic?	T; R23/25; R33; R53	GHS/CLP	0-5
	Tellurium	Te	Metallic	None	GHS/CLP	0-10
	Tin	Sn	Metallic	None	GHS/CLP	0-2
	Zinc	Zn	Metallic	F; R15-17 - N; R50-53	ESIS	0-2

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 Lead Bullion, Precious Metal Rich that is produced. Concentration ranges outside the ones given above do not exclude sameness and are usually referred to as unusual or exceptional situations. For instance, concentrations higher than 80% lead, 15% of silver and 25% of PGM are possible under exceptional situations. Each potential registrant is responsible for performing its own elemental analysis (PMC will specify preferred method in due course).

5. Classification (*additive - 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)		

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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, Organo-metallic, Petroleum Product)		
Water solubility		
Relative density (g/cm^3) **or specific gravity**		
Specific surface area (m^2/g)		

7. Lead Registrant

Vale Inco Europe 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	Split from 308-011-5	Non-sameness confirmed by Pb Consortium. Need to split SIEF 308-011-5 in three, including one sub-SIEF for Lead bullion, precious metal rich. Requires sameness discussion in pre-SIEF, split "Lead bullion" SIEF, creating an *ad hoc* 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	
Intermediate status	On-site	
Tonnage band	10-100 t/a	
Information requirements	Available	
(Likely) Classification	Carc. Cat. 1 and R50-53	Depends on confirmation of composition/species
Resulting registration deadline	2010	
Other		

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