

## 1.2. Composition of the substance

### Name: Leach residues, zinc ore-clacine, zinc cobalt

Description: Insoluble cobalt-nickel containing residue after reduction of those elements from pregnant solutions

Degree of purity: 100.0 % (w/w)

**Table 1. Constituents**

Constituent	Typical concentration	Concentration range	Remarks
zinc EC no.: 231-175-3	3.01 % (w/w)	> 1.0 — < 30.0 % (w/w)	Mainly as ZnCuSO <sub>x</sub>
copper EC no.: 231-159-6	11.63 % (w/w)	> 1.0 — < 80.0 % (w/w)	As ZnCuSO <sub>x</sub> (44%); Cu (41%) and CuO (14%)
cadmium EC no.: 231-152-8	0.53 % (w/w)	> 0.1 — < 20.0 % (w/w)	
cobalt EC no.: 231-158-0	7.81 % (w/w)	> 1.0 — < 15.0 % (w/w)	
nickel EC no.: 231-111-4	2.05 % (w/w)	> 0.5 — < 40.0 % (w/w)	
iron EC no.: 231-096-4	0.97 % (w/w)	> 0.1 — < 15.0 % (w/w)	
lead EC no.: 231-100-4	12.41 % (w/w)	> 0.3 — < 30.0 % (w/w)	Mainly as PbSO <sub>4</sub> (80%) and metallic form
silicon dioxide EC no.: 231-545-4	1.23 % (w/w)	< 1.4 % (w/w)	
arsenic EC no.: 231-148-6	< 0.0060 % (w/w)	> 0.0 — < 3.0 % (w/w)	
antimony EC no.: 231-146-5	0.4 % (w/w)	> 0.1 — < 3.0 % (w/w)	