

1.2. Composition of the substance

Name: Calcines, lead-zinc oreconc.

Description: A thermally agglomerated substance formed by heating a mixture of metal sulfide concentrates, limestone, sand, furnace dross, miscellaneous zinc, lead and copper bearing materials, together with already roasted material to a temperature of 1000°C to 1200°C (1830°F to 2192°F).

Degree of purity: 100.0 % (w/w)

Table 1. Constituents

Constituent	Typical concentration	Concentration range	Remarks
zinc EC no.: 231-175-3	42.91 % (w/w)	> 40.0 — < 80.0 % (w/w)	Present mainly as ZnS and ZnFe ₂ O ₄
iron EC no.: 231-096-4	8.72 % (w/w)	> 1.0 — < 10.0 % (w/w)	Present mainly as FeSO ₄ and ZnFe ₂ O ₄
lead EC no.: 231-100-4	15.56 % (w/w)	> 1.0 — < 20.0 % (w/w)	As PbSO ₄ and PbO
copper EC no.: 231-159-6	1.05 % (w/w)	> 0.1 — < 2.0 % (w/w)	
cadmium EC no.: 231-152-8	0.19 % (w/w)	> 0.1 — < 0.5 % (w/w)	
silicon EC no.: 231-130-8	2.35 % (w/w)	> 0.1 — < 5.6 % (w/w)	
Aluminium oxide EC no.: 215-691-6	0.95 % (w/w)	> 0.1 — < 3.0 % (w/w)	
calcium oxide EC no.: 215-138-9	3.7 % (w/w)	> 0.1 — < 4.0 % (w/w)	