

Name: Complex zinc rich flue dust

Description: Zinc oxide enriched flue dust

Degree of purity: 100.0 % (w/w)

Table 2. Constituents

Constituent	Typical concentration	Concentration range	Remarks
zinc EC no.: 231-175-3	63.0 % (w/w)	> 20.0 — < 75.0 % (w/w)	present as zinc oxide
copper EC no.: 231-159-6	0.04 % (w/w)	> 0.0 — < 0.5 % (w/w)	
cadmium EC no.: 231-152-8	0.1 % (w/w)	> 0.01 — < 5.0 % (w/w)	
nickel EC no.: 231-111-4	0.01 % (w/w)	> 0.0 — < 0.5 % (w/w)	as oxide
iron EC no.: 231-096-4	1.51 % (w/w)	> 0.0 — < 22.0 % (w/w)	
lead EC no.: 231-100-4	3.39 % (w/w)	> 0.2 — < 23.0 % (w/w)	as compound
silicon dioxide EC no.: 231-545-4	0.82 % (w/w)	> 0.1 — < 7.5 % (w/w)	
chromium EC no.: 231-157-5	< 0.1 % (w/w)	>= 0.0 — < 1.0 % (w/w)	
carbon EC no.: 231-153-3	0.24 % (w/w)	> 0.0 — < 6.0 % (w/w)	
potassium EC no.: 231-119-8	1.0 % (w/w)	> 0.1 — < 8.0 % (w/w)	As K ₂ O or KCl
magnesium EC no.: 231-104-6	0.11 % (w/w)	> 0.0 — < 1.2 % (w/w)	as oxide
manganese EC no.: 231-105-1	0.18 % (w/w)	> 0.0 — < 1.2 % (w/w)	
calcium EC no.: 231-179-5	1.0 % (w/w)	> 0.0 — < 7.0 % (w/w)	
chlorine EC no.: 231-959-5	5.2 % (w/w)	> 0.0 — < 10.0 % (w/w)	
Aluminium oxide EC no.: 215-691-6	0.07 % (w/w)	> 0.01 — < 0.55 % (w/w)	
sulfur	0.47 % (w/w)	> 0.01 — < 3.0 % (w/w)	

Constituent	Typical concentration	Concentration range	Remarks
EC no.: 231-722-6			
fluorine	0.5 % (w/w)	> 0.0 — < 0.9 % (w/w)	
EC no.: 231-954-8			
titanium	0.0050 % (w/w)	>= 0.0 — < 15.0 % (w/w)	
EC no.: 231-142-3			
arsenic	ca. 0.0 % (w/w)	> 0.0 — < 0.25 % (w/w)	
EC no.: 231-148-6			

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Table 3. Constituents

Constituent	Typical concentration	Concentration range	Remarks
zinc	63.0 % (w/w)	> 20.0 — < 75.0 % (w/w)	present as zinc oxide
EC no.: 231-175-3			
copper	0.04 % (w/w)	> 0.0 — < 0.5 % (w/w)	
EC no.: 231-159-6			
cadmium	< 0.09 % (w/w)		As CdO
EC no.: 231-152-8			
nickel	< 0.1 % (w/w)		
EC no.: 231-111-4			
iron	1.15 % (w/w)	> 0.0 — < 22.0 % (w/w)	
EC no.: 231-096-4			
lead	3.39 % (w/w)	> 0.3 — < 23.0 % (w/w)	
EC no.: 231-100-4			
silicon dioxide	0.82 % (w/w)	> 0.1 — < 7.5 % (w/w)	
EC no.: 231-545-4			
chromium	< 0.1 % (w/w)	>= 0.0 — < 1.0 % (w/w)	
EC no.: 231-157-5			
carbon	0.24 % (w/w)	> 0.0 — < 6.0 % (w/w)	
EC no.: 231-153-3			
potassium	1.0 % (w/w)	> 0.1 — < 8.0 % (w/w)	As K ₂ O or KCl
EC no.: 231-119-8			
magnesium	0.11 % (w/w)	> 0.0 — < 1.2 % (w/w)	
EC no.: 231-104-6			
manganese	0.18 % (w/w)	> 0.0 — < 1.2 % (w/w)	

Constituent	Typical concentration	Concentration range	Remarks
EC no.: 231-105-1			
calcium EC no.: 231-179-5	1.0 % (w/w)	> 0.0 — < 7.0 % (w/w)	> 0.58% of CaO will cause mild irritation if mixture rules are applied
chlorine EC no.: 231-959-5	5.2 % (w/w)	> 0.0 — < 10.0 % (w/w)	
Aluminium oxide EC no.: 215-691-6	0.07 % (w/w)	> 0.0 — < 0.55 % (w/w)	
sulfur EC no.: 231-722-6	0.47 % (w/w)	> 0.0 — < 3.0 % (w/w)	
fluorine EC no.: 231-954-8	0.5 % (w/w)	> 0.0 — < 0.9 % (w/w)	
titanium EC no.: 231-142-3	0.0050 % (w/w)	>= 0.0 — < 15.0 % (w/w)	