

SUBSTANCE IDENTITY PROFILE (SIP)

NICKEL MATTE*

EC #	273-749-6							
CAS #	69012-50-6							
Other identifiers	Nickel matte							
Substance compositional information:								
Constituents/Impurities	Compositions							
	Nickel matte	Nickel sulphidic matte with copper >8% (including cobalt 0.1-<1%)	Nickel sulphidic matte with copper >8% (including cobalt ≥1-<3%)	Nickel sulphidic matte (including cobalt 0.1-<1%)	Nickel sulphidic matte (including cobalt ≥1-<3%)	Nickel metallic matte (including cobalt 0.1-<1%)	Nickel metallic matte (including cobalt ≥1-<3%)	Nickel metallic matte (including cobalt ≥3%)
Nickel matte EC# 273-749-6	99.9 – 100%	-	-	-	-	-	-	-
Nickel EC# 231-111-4	-	≥30 – ≤70%	≥30 – ≤70%	≥60 – ≤75%	≥60 – ≤75%	≥30 – ≤70%	≥30 – ≤70%	≥30 – ≤70%
Iron EC# 231-096-4	-	≥0 – ≤45%	≥0 – ≤45%	≥0 – ≤15%	≥0 – ≤15%	≥0 – ≤45%	≥0 – ≤45%	≥0 – ≤45%
Arsenic EC# 231-148-6	-	≥0 – ≤1%	≥0 – ≤1%	≥0 – ≤1%	≥0 – ≤1%	≥0 – ≤3%	≥0 – ≤3%	≥0 – ≤3%
Lead EC# 231-100-4	-	≥0 – ≤0.3%	≥0 – ≤0.3%	≥0 – <0.005%	≥0 – <0.005%	≥0 – <0.3%	≥0 – <0.3%	≥0 – <0.3%
Sulphur EC# 231-722-6	-	≥0 – ≤30%	≥0 – ≤30%	≥10 – ≤30%	≥10 – ≤30%	≥0 – ≤30%	≥0 – ≤30%	≥0 – ≤30%
Cobalt EC# 231-158-0	-	≥0.1 – <1%	≥1 – <3%	≥0.1 – <1%	≥1 – <3%	≥0.1 – <1%	≥1 – <3%	≥3 – ≤6%
Copper EC# 231-159-6	-	>8 – ≤40%	>8 – ≤40%	≥0 – ≤8%	≥0 – ≤8%	≥0 – ≤20%	≥0 – ≤20%	≥0 – ≤20%

*A more thorough UVCB SID (substance identity) profile that takes process into account is in preparation and will be available at a later date.