

SUBSTANCE IDENTITY PROFILE (SIP)

NICKEL METAL

EC #	231-111-4							
CAS #	7440-02-0							
Other identifiers	Nickel, metallic							
Substance compositional information:								
Constituents/Impurities	Compositions							
	Nickel metal powder (particle diameter <1mm)	Nickel metal powder (particle diameter <1mm; non-respirable including cobalt impurity)	Nickel metal powder (including nickel monoxide impurity)	Nickel metal powder (including nickel subsulphide and nickel monoxide impurity)	Nickel metal massives	Nickel metal massives (including cobalt impurity 0.1 – <1%)	Nickel metal massives (including cobalt impurity 1 – <3%)	Nickel metal massives (including nickel monoxide and cobalt impurities)
Nickel EC# 231-111-4 CAS# 7440-02-0	≥80 – ≤100%	≥98.1 – ≤99.9%	≥80 – ≤99%	>89 – ≤99.9%	≥97 – ≤100%	≥97 – ≤99.9%	≥96 – ≤99%	≥85 – ≤98%
Cobalt EC# 231-158-0 CAS# 7440-48-4	-	≥0.1 – <1%	-	-	-	≥0.1 – <1%	≥1 – ≤3%	≥1 – ≤1.5%
Nickel monoxide EC# 215-215-7 CAS# 1313-99-1	-	-	≥1 – ≤20%	≥0 – ≤10%	-	-	-	≥1 – ≤10%
Nickel subsulphide EC# 234-829-6 CAS# 12035-72-2	-	-	-	≥0.1 – ≤4%	-	-	-	-
Silicon EC# 231-130-8 CAS# 7440-21-3	-	-	-	-	-	-	≥0 – ≤1.5%	-
Silicon dioxide EC# 231-545-4 CAS# 7631-86-9	-	-	-	-	-	-	-	≥0 – ≤1.5%
Other impurities*	≥0 – <20%	≥0 – <0.9%	≥0 – <1%	-	≥0 – ≤3%	≥0 – <2.9%	≥0 – ≤2%	≥0 – ≤2%

*Other impurities which are not relevant for the classification and/or for PBT assessment and that are each of them present in a concentration <1%.