

List of Identified uses for Nickel Metal - Update 2011

use number	Identified use	Sector of Use	Preparation Category	Process category (PROC)	Article category (AC)	Environmental Release Category (ERC) or SPERC
Industrial Uses						
1	S4A (stainless, special steels and special alloy custers)	SU: 14	PC: 7	PROC: 8b, 13, 22, 23, 24, 25, 0	Other: steel, slabs, plate	ERC: 5 ERC: 12a ERC: 12b
2	Integrated steel and iron	SU: 14	PC: 7	PROC: 8b, 13, 21, 22, 23, 24, 25, 0		ERC: 5 ERC: 12a ERC: 12b
3	EAF carbon steel	SU: 14	PC: 7	PROC: 8b, 13, 22, 23, 24, 25, 0	AC 1, 2, 3, 7, 38	ERC: 5 ERC: 12a ERC: 12b
4	Powder metallurgy	SU: 14	PC: 7, 24, 25	PROC: 26, 25, 14, 22, 21, 8b, 23, 0		ERC: 5
5	Metal surface treatment (Nickel electroplating and nickel electroforming technologies)	SU: 3, 15	PC: 14	PROC: 8a, 13, 0	AC: 02, 03	ERC: 5
6	Production of Ni salts from Ni sulphate	SU: 9		PROC: 1, 2, 3, 4, 8b, 9, 26, c		ERC: 6a
7	Manufacturing of batteries using positive nickel electrodes	SU: 16	PC: 9, 15	PROC: 4, 8b, 9, 14, 0	AC 3.2	ERC: 5
8	Ni catalyst production from NiO-containing	SU: 3, 8, 9	PC: 19, 20	PROC: 1, 2, 3, 4, 8a, 8b, 9, 14		ERC: 1, 3, 6a, 6b
9	Use pre-reduced nickel containing catalyst	SU: 3, 8, 9	PC: 19, 20	PROC: 1, 2, 3, 4, 8a, 8b		ERC: 1, 6a, 6b
10	Production of magnets	SU: 15	PC: 7	PROC: 8b, 5, 14, 22, 23, 24, 26, 0	AC: other: "Permanent magnets and articles intended to become permanent magnets after magnetization"	ERC: 5
11	Production of nickel-containing products (e.g. Electronics)	SU: 16		PROC: 5, 8a, 0		SPERC: Formulation and processing of massive metal
12	production of brazing alloys	SU: 14	PC: 38	PROC: 8a, 22, 23, 24, 26, 0	AC: 2	SPERC: Formulation of massive metal
14	Production of contact materials	SU: 15	PC: 7	PROC: 8a, 5, 22, 24, 25, 26, 0	AC: 03, 04	ERC: 5
16	Sputter deposition	SU: 3		PROC: 1		SPERC: Processing of massive metal
17	Thin film deposition by evaporation techniques	SU: 3		PROC: 1, 0		SPERC: Processing of massive metal
25	Production of Ni containing alloy powders from Ni Oxide	SU: 3		PROC: 2, 8b, 4, 9, 22, 24, 27, 0		ERC : 6a
26	Machining of Nickel alloys and nickel coated metal objects	SU: 3		PROC: 21, 26, 0		ERC 5, 12a, 12b
27	Use of nickel metal for thermal spraying	SU: 3	PC: 7, 14, 15, 38	PROC: 9, 8b, 7, 0, 10, 23, 24, 25		ERC 7, 5 12b SPERC: use of metal and metal compounds in metallic coatings
28	Use of nickel metal and nickel containing alloys for the production of steel and other alloy powders by atomisation	SU: 14	PC: 7	PROC: 8b, 1, 22, 23, 26, 27a		ERC 5
29	Use of nickel containing alloys for blasting	SU: 3, 15		PROC: 8a, 7, 11, 0		ERC 12b
30	FeNi Production	SU: 14		PROC 8b, 22, 9, 0		ERC 1
Professional Uses						
13	Use of brazing alloys	SU: 14		PROC: 22		SPERC: processing of massive metal
15	Use of contact materials	SU: 3		PROC: 26		SPERC: Processing of massive metal
Consumer Uses						
18	Drinking water from nickel-containing kettles	SU: 21	PC: 7		AC: 7	ERC: 11a
19	Consumer contact with coins that contain nickel	SU: 21	PC: 7		AC: 7	ERC: 11a
20	Direct and prolonged contact with skin	SU: 21	PC: 7		AC: 7	ERC: 11a