



DISCLAIMER

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1. NAME

- 1.1. **Proposed name:** Reaction mass of aluminium, cobalt, chromium, hafnium, iron, molybdenum, nickel, rhenium, tantalum, titanium, and tungsten.
- 1.2. **Synonyms:** Nickel alloy scrap.

2. ID CODES

- 2.1 **EC number of EINECS entry:** not yet provided by the ECHA.
- 2.2 **CAS number:** not available.

3. DESCRIPTION

- 3.1 **Source:** nickel-based super alloys.
- 3.2 **Process it originates from:** processing of nickel-based super alloys.
- 3.3 **Typical composition:** see Table 1 below.

Table 1. Typical composition of "reaction mass of aluminium, cobalt, chromium, hafnium, iron, molybdenum, nickel, rhenium, tantalum, titanium, and tungsten" or nickel alloy scrap.

Name and symbol of the constituent	EINECS number	CAS number	Classification (in Annex I of Directive 67/548/EEC)	Typical concentration range (%)
Aluminium (Al)	231-072-3	7429-90-5	F; R15 - R10	4,82 - 6,20
Cobalt (Co)	231-158-0	7440-48-4	R42/43 - R53	3,00 - 11,95
Chromium (Cr)	231-157-5	7440-47-3	Not classified	2,00 - 7,26
Hafnium (Hf)	231-166-4	7440-58-6	Not classified	0,03 - 1,60
Iron (Fe)	231-096-4	7439-89-6	Not classified	0,74 - 3,97
Molybdenum (Mo)	231-107-2	7439-98-7	Not classified	0,40 - 2,00
Nickel (Ni)	231-111-4	7440-02-0	Carc. Cat. 3; R40 - R43	56,17 - 61,77
Rhenium (Re)	231-124-5	7440-15-5	Not classified	2,13 - 6,20
Tantalum (Ta)	231-135-5	7440-25-7	Not classified	4,00 - 9,00
Titanium (Ti)	231-142-3	7440-32-6	Not classified	0,00 - 1,00
Tungsten (W)	231-143-9	7440-33-7	Not classified	4,75 - 7,31

4. INFORMATION ON REGISTRATION (TO BE COMPLETED IN DUE COURSE)

- 4.1 Name and coordinates of proposed Lead Registrant
- 4.2 Registration deadline (as per Consortium's estimations)
- 4.3 Overview of data availability, data gaps, testing needs
 - 4.3.1 Physico-chemical properties
 - 4.3.2 Toxicological information
 - 4.3.3 Eco-toxicological information
- 4.4 Grouping possibilities
- 4.5 Proposed classification