

PROPOSED REMOVAL OF SUBSTANCES NOT ELIGIBLE FOR INCLUSION ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)

Purpose

To advise that the Director, NICNAS intends to remove certain substances that are believed to be wrongly included in the AICS under section 20AA of the Industrial Chemicals (Notification and Assessment) Act 1989 (the Act).

Background

The nomination of chemicals in commerce for inclusion on the AICS occurred over the period 1 January 1977 – 28 February 1990. The eligibility criteria for inclusion of chemical substances in the Inventory were outlined in the Guidelines for Nominating Chemical Substances to the Inventory published by the Department of Arts, Heritage and Environment. Substances ineligible for inclusion in the AICS were also described.

The guidelines stated that the Inventory would be a list of chemical substances and defined chemical substances as “any chemical element and its compounds or complexes, including any chemical element and its compounds or complexes contained in a mixture, any UVCB substance and any naturally occurring chemical substance, but excluding any article, radioactive substance or mixture.”

In the guidelines, substances ineligible for inclusion in the Inventory included homogeneous and heterogeneous alloys, other than intermetallic compounds of well-defined stoichiometry, should be nominated. Instead, the individual metals should be nominated to the AICS.

Issues

NICNAS has identified chemicals in at least two categories that appear not to conform to the eligibility criteria for nomination to the AICS, and therefore proposes their removal:

- individual ions (as opposed to ions paired with a counter-ion), which are not isolable chemicals and do not meet the definition of a chemical substance. A list of 11 ions proposed for removal is at Table 1.
- alloys which are not intermetallic compounds of well-defined stoichiometry with a list of 19 alloys at Table 2. Note that the individual metals comprising these alloys are already on the AICS.

As the Director, NICNAS believes the chemicals at Tables 1 and 2 were incorrectly included in the AICS she proposes to remove these chemicals.

NICNAS will place extra guidance on the AICS help web page and in the Handbook for Notifiers to clarify that alloys do not require listing on the AICS.

Next Steps

Within 3 months of the date of publication of this notice a person may give a statement to the Director, NICNAS giving reasons why any chemical in the lists at Attachments 1 or 2 should not be

removed from the AICS under subparagraph 20AA(2)(e) of the Act. This means that any statements should be received by close of business (5.30 pm) 6 June 2012.

Under subsection 20AA(4) of the Act, if the Director receives a statement from a person giving reasons why the chemical should not be removed, the Director must reconsider the proposed removal in the light of the statement. Under subsection 20AA(6) of the Act, if the Director rejects the reasons that a chemical should not be removed from the AICS she must give the person who made the statement notice of the decision to reject the reasons. The Director must not remove the chemical or any particulars in respect of the chemical from the AICS for 28 days. If the person applies for a review of the decision to the Administrative Appeals Tribunal, the chemical must not be removed until the review has been finalised.

If you require further information please contact:

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Table 1 List of ions on the AICS

CAS No.	Chemical Name
71-50-1	Acetic acid, ion(1-)
14874-70-5	Borate(1-), tetrafluoro-
16871-54-8	Platinate(2-), hexachloro-, (OC-6-11)-
14797-73-0	Perchlorate
14808-79-8	Sulfate ion
48028-76-8	Sulfuric acid, monoethyl ester, ion(1-)
50984-37-7	Naphthalenesulfonic acid, tris(1-methylethyl)-, ion(1-)
51139-42-5	Amminepentaquacopper(2+) ion
75746-27-9	9,10-Anthracenedione, 2,6-dihydroxy-, radical ion(1+)
87553-56-8	Benzenesulfonic acid, 4-[[2-[[3,3'-dichloro-4'-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo][1,1'-biphenyl]-4-yl]azo]-1,3-dioxo-butyl]amino]-, ion(1-)
87553-67-1	2-Naphthalenesulfonic acid, 5-[[3,3'-dichloro-4'-[(2-hydroxy-1-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-6-hydroxy-, ion(1-)

Table 2 List of alloys of on the AICS ineligible for listing

CAS No.	Alloy Name
8049-11-4	Copper alloy, base, Cu, Al, Zn (Devarda's alloy)
8049-17-0	Ferrosilicon
8049-19-2	Iron alloy, base, Fe,P (Ferrophosphorus)
11108-69-3	Niobium alloy, base, Nb 50-70, Fe 20-48, Ta 2-7, Si 0-4, Al 0-2, C 0-0.3, Sn 0-0.2, (ASTM A550)

11114-46-8	Chromium alloy, base, Cr,C,Fe,N,Si (ferrochromium)
11121-95-2	Molybdenum alloy, base, Mo 60-70, Fe 38-40, C 0-0.10, Si 0-1.0, Cu 0-1.0, S 0-0.15, P 0-0.050 (ASTM A132)
11125-27-2	Silicon alloy, base, Si, Ca, Mn
11133-76-9	Iron alloy, base,(Fe,Ni)(ferronickel)
11147-86-7	Iron alloy, nonbase (Fe,V)
12604-53-4	Manganese alloy, base, Mn 74-82, Fe 8-19, C 6.9-7.5, Si 0-1.2, P 0-0.4, (ASTM A99)
12604-58-9	Vanadium alloy, base, V,C,Fe (ferrovanadium)
12635-29-9	Nickel alloy, base , Ni,Al
12719-90-3	Iron alloy, nonbase (Fe.Ti)
39412-44-7	Tin alloy, base, Sn 88,Pb 8,Cu 4,Sb 0.5
42612-06-6	Zirconium alloy, base, Zr 40-82, Ni 18-60
68938-87-4	Chromium alloy, base, Cr 52-72,Fe 17-31,Si 3-14,C 4-9.5 (ASTM A101-HIGH CARBON)
72125-29-2	Tungsten alloy, base, W 62,Ru 34,Al 2.3,B 0.9
76093-98-6	Bismuth alloy, base, Bi 50, Pb 25, Cd 12, Sn 12 (L-PbBi50Sn12.5Cd12.5)
112788-56-4	Iron alloy, base, Fe 97, Mo 3.2