Errata for the 2005 Review on the Chemical Thermodynamics of Nickel

Gamsjäger, H., Bugajski, J., Gajda, T., Lemire, R. J., Preis, W., *Chemical thermodynamics of Nickel*, Nuclear Energy Agency Data Bank, Organisation for Economic Co-operation and Development, Ed., vol. 6, *Chemical Thermodynamics*, North Holland Elsevier Science Publishers B. V., Amsterdam, The Netherlands, (2005).

Authors and readers have pointed out several errata in the 2005 Review on Nickel. These errata are corrected below.

Errata are primarily listed by page number but several entries corresponding to the same system have been grouped together for the sake of clarity.

Special thanks go to Prof. Heinz Gamsjäger (Leoben), Prof. Lars-Olof Öhman (Umeå), Dr. Malcolm Rand (Abingdon) and Dr. Lian Wang (Mol) for their efforts to ensure the consistency of text, tables and data files.

Federico J. Mompean
TDB Project Coordinator (E-Mail: tdb at nea.fr)
OECD NEA Data Bank
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Page and position in text	**Reads**	**Should read / corrective action**	**Affects selected values?**	**Notes**
x		Add in Participating Organisations NAGRA, Switzerland	No	Typographical error.
52, entry for Ni(cr) for 690 K < *T* < 1728 K 78, Table V-1 last row	*c* = 4.45300E–06	*c* = – 4.45300E–06	Yes (Heat capacity tables)	Typographical error.
52, entry for NiO(cr) for 298.15 K < *T* < 519 K	*i* = 5.30393E+04	*i* = – 5.30393E+04	Yes (Heat capacity tables)	Typographical error.
58, second entry for HSO_4^-	—	Delete duplicated (second) entry for HSO_4^-	No	The auxiliary formation values for this species have been adopted from CODATA Key values at the time of the first NEA TDB Review, [92GRE/FUG].
71, entry for $Si(OH)_4(aq)$	[92GRE/FUG]$	[92GRE/FUG]	No	Typographical error.
426, entry for $PuCl^{2+}$ in Table B-4.	$\varepsilon(PuCl^{2+}, ClO_4^-) = (0.39 \pm 0.16)$	Delete entry. See accompanying notes.	Yes (SIT interaction coefficients)	The 2003 *Update* [2003GUI/FAN] did not retain the selection made by [2001LEM/FUG] for $\log_{10} \beta^o$ for the reaction $Pu^{3+} + Cl^- \rightleftharpoons PuCl^{2+}$ for the reasons given in section 11.3.1.1, page 322 of [2003GUI/FAN]. For modeling An(III) in chloride solutions, a suggested procedure is to use the SIT ε coefficients based on $\varepsilon(Nd^{3+}, Cl^-) = \varepsilon(Am^{3+}, Cl^-) = (0.23 \pm 0.02)$.
584, line 4	vol. 6	vol. 7	No	Typographical error.