Errata for the 2005 Review on the Chemical Thermodynamics of Selenium

Olin, Å., Noläng, G., Osadchii, E., Öhman, L.-O., Rosén, E., *Chemical Thermodynamics of Selenium*, Nuclear Energy Agency Data Bank, Organisation for Economic Co-operation and Development, Ed., Vol. 7, *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 Selenium. 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. Åke Olin (Uppsala), Dr. Lars-Olof Öhman (Umeå) 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
November 2005

Page and position in text	**Reads**	**Should read / corrective action**	**Affects selected values?**	**Notes**
xii, list of Participating Organisations	HSK, Switzerland PSI, Switzerland	HSK, Switzerland NAGRA, Switzerland PSI, Switzerland	No	Typographical error.
57, entry for $CdSeO_4(aq)$, $\Delta_r G_m^o$ value	-2.957 ± 0.342	-12.957 ± 0.342	Yes (Gibbs energy of reaction for: $Cd^{2+} + SeO_4^{2-} \rightleftharpoons CdSeO_4(aq)$)	Typographical error.
592 and 593, Table B-1	c (*m*)	c (M) or c ($mol \cdot dm^{-3}$)	No	All values in this table refer to the Molarity scale not to the molality scale
593, Table B-1 continuation, second line of the table, giving the ionic media	$HClO_4$ … LiCl	This line of the table should be replaced by the line giving the second collection of ionic media, as in page 592: KCl … $LiNO_3$	No	Typographical error.

Page and position in text	**Reads**	**Should read / corrective action**	**Affects selected values?**	**Notes**
604, 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 logbo 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 $\varepsilon(Nd^{3+}, Cl^-) = \varepsilon(Am^{3+}, Cl^-) = (0.23 \pm 0.02)$.