

***Interactive comment on* “Technical Note: Analytical formulae for the critical supersaturations and droplet diameters of CCN containing insoluble material” by H. Kokkola et al.**

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Received and published: 7 February 2008

General Comments: The paper is well written and is within the scope of ACP. The authors derived analytical equations for the critical diameters and supersaturations (based on Köhler theory) of aerosol particles consisting of water soluble material with insoluble core. They also demonstrated the use of these equations. However, since the size of the insoluble core is negligible compared to the size of the activated droplet, the value of these equations is limited.

Technical Corrections: The authors should remove "exp" from Equation 1.

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