

Interactive comment on “Cloud condensation nucleus (CCN) behavior of organic aerosol particles generated by atomization of water and methanol solutions” by T. A. Rissman et al.

Anonymous Referee #2

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The MS is an in-depth study of the activation characteristics of organic single-substance aerosols generated from solutions of single compounds in water or methanol. It also contains model calculations using the ADDEM model.

It is a valuable contribution to the discussion, and adds new aspects to the sometimes contradictory results of different activation studies. It is so clear, concise and well written and argued, that I find hardly anything to comment on.

A few suggestions/comments:

shape factor of NaCl particles: what about hollow spheres?

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Why should the solvent itself affect the morphology of the particles? Different time scales for drying could also be an issue.

technical corrections:

Figures. the figures are very hard to read in the print version. The font size in Figure 6 is much too small.

In several figure captions the term "aerosol" was used synonymous to "particles". Please correct.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 13251, 2006.

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