Supporting Information

Influence of Surface Oxidation on the Aggregation and Deposition Kinetics of Multi-Walled Carbon Nanotubes in Monovalent and Divalent Electrolytes

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Contents

TABLE S1. Stability Constants of Aromatic Calcium Carboxylates, $K$, and First Acid Dissociation Constants, $K_{a1}$, for Three Aromatic Carboxylic Acids at 0 M Ionic Strength and 25 °C.

FIGURE S1. Aggregation profiles of HO-MWNTs over a range of NaCl concentrations at pH 7.1.

References.
Table S1. Stability Constants of Aromatic Calcium Carboxylates, $K$, and First Acid Dissociation Constants, $K_{a1}$, for Three Aromatic Carboxylic Acids at 0 M Ionic Strength and 25 °C

<table>
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<tr>
<th>compound</th>
<th>structural formula</th>
<th>log $K^a$</th>
<th>p$K_{a1}^a$</th>
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<tr>
<td>benzoic acid</td>
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<td>1.32&lt;sup&gt;b&lt;/sup&gt;</td>
<td>4.20</td>
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<td>isophthalic acid</td>
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<td>3.50</td>
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<td>phthalic acid</td>
<td><img src="image" alt="phthalic acid" /></td>
<td>2.45</td>
<td>2.95</td>
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</tbody>
</table>

<sup>a</sup> All constants are obtained from NIST Standard Reference Database 46 (NIST Critically Selected Stability Constants of Metal Complexes: Version 8.0) unless indicated otherwise.

<sup>b</sup> Constant is obtained from Emara et al. as it is not provided in the NIST Database. Note that $K$ represents the stability constants for monodentate calcium carboxylate formation for benzoic acid and bidentate calcium carboxylate formation for isophthalic and phthalic acids.
FIGURE S1. Aggregation profiles of HO-MWNTs over a range of NaCl concentrations at pH 7.1.
References