



PHILIP G. SAYRE, PH.D.

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Philip Sayre has over twenty-eight years of experience in the environmental field, and specializes in assessing risks of commercial nanomaterials and microbial biotechnology products under TSCA. He has participated as a lead in national and international regulatory test guideline work for nanomaterials.

Prior to joining Keller and Heckman, Dr. Sayre worked most recently as a Senior Scientist for the U.S. Environmental Protection Agency. In this capacity, he was involved in the health and ecological assessments of over 120 nanomaterial submissions that have been submitted to EPA for commercialization under TSCA. Dr. Sayre also worked on identifying hazards associated with many biotechnology submissions under Section 5 of TSCA, and was a lead author of the EPA guidance to be followed by biotechnology submitters under TSCA. Other positions held at EPA included those in OSWER, the SAB, and ORD. Prior to coming to EPA, Dr. Sayre completed biotechnology and chemical ecotoxicity, exposure, and risk assessments under the National Environmental Policy Act (NEPA) at FDA.

His most recent publications include the following (additional publications available on request):

- G. Oberdorster, V. Castranova, B. Asgharian, and P. Sayre. 2015. **Inhalation Exposure to Carbon Nanotubes (CNT) and Carbon Nanofibers (CNFs): Methodology and Dosimetry**. *Journal of Toxicology and Environmental Health*. [In press, March 2015]
- Hilary Godwin, Catherine Nameth, David Avery, Lynn Bergeson, David Bernard, Elizabeth Beryt, William Boyes, Scott Brown, Amy Clippinger, Yoram Cohen, Maria Doa, Christine Olgilvie Hendren, Patricia Holden, Keith Houck Agnes B. Kane, Frederick Klaessig, Toivo Kudas, Robert Landseidel, Iseult Lynch, Timothy Malloy, Mary Beth Miller, Julie Muller, Gunter Oberdorster, Richard C. Pleus, Phil Sayre, Vicki Stone, Kristie M. Sullivan, Jutta Tentschert, Philip Wallis, and Andre E. Nel. 2015. **Nanomaterial categorization for assessing risk potential to facilitate regulatory decision-making**. *ACS Nano*, 20 March 2015 on line (DOI: 10.1021/acsnano.5b00941).

He serves as a reviewer for several journals, and is a current member of both SOT and SETAC.

Education: Emory University (B.S., 1978); Emory University (M.S., 1980); Georgetown University (Ph.D., 1984).