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## Emily R. Goswami, CIH

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### Professional Profile

Ms. Goswami has over 17 years of professional experience in exposure assessment, industrial hygiene, human health risk assessment, and project management.

Ms. Goswami's experience includes evaluating chemical exposures from occupational and residential environments, as well as consumer products; designing and conducting exposure simulations associated with use of consumer products; conducting human health risk assessments for various contaminated sites; performing probabilistic modeling in order to evaluate exposures to chemicals in the workplace; performing residential investigations including air and surface sampling and analysis for mold and other indoor contaminants; and evaluating odors. These projects involved various chemicals and agents including asbestos, benzene, formaldehyde, silica, lead, mercury, particulate matter, mold (fungi), and phthalates. Ms. Goswami also has extensive experience reviewing the published literature pertaining to exposure, epidemiology, and toxicology associated with various sources and types of occupational, paraoccupational, and environmental exposure to various chemicals. Ms. Goswami has testified as an expert witness in the area of industrial hygiene.

### Academic Credentials & Professional Honors

M.S., Environmental Health, University of Washington, 2001

B.A., Environmental Science, University of California, Berkeley, 1998

### Licenses and Certifications

Certified Industrial Hygienist - Comprehensive Practice, American Board of Industrial Hygiene, since 2009

### Professional Affiliations

American Industrial Hygiene Association, 2005-present

American Industrial Hygiene Association - Northern California Section, 2009-present

- President-elect, 2019

Genetic and Environmental Toxicology Association of Northern California, 2006-present

## Publications

Goswami E, Craven V, Dahlstrom DL, Alexander D, Mowat F. Domestic asbestos exposure: A review of epidemiologic and exposure data. *International Journal of Environmental Research and Public Health* 2013; 10(11):5629-5670. <http://www.mdpi.com/1660-4601/10/11/5629>

Sheehan P, Bogen KT, Hicks J, Goswami E, Brorby G, Lau EC, Ott B. Benzene inhalation by parts washers: New estimates based on measures of occupational exposure to solvent coaromatics. *Risk Analysis* 2010; 30(8):1249-1267.

Sheehan P, Malzahn D, Goswami E, Mandel JH. Simulation of benzene exposure during use of a mineral spirit solvent to clean elevator bearing housings. *Human and Ecological Risk Assessment* 2008; 14:421-432.

Goswami E, Larson T, Lumley T, Liu L-J. Spatial characteristics of fine particulate matter: Identifying representative monitoring locations in Seattle, Washington. *Air and Waste Manage Association* 2002; 52:324-333.

## Book Chapters

Barrie, MD, Dahlstrom DL, Goswami E, Kaetzel R. The Halogens. *Patty's Toxicology* 2012; 1033-1108.

## Presentations

Goswami E, Sheehan P. Evaluation of dermal and inhalation exposures from consumer products. *International Society of Exposure Science (ISES) California webinar*. May 31, 2019.

Sheehan P, Lowney Y, Kalmes R, Bogen KT, Posson M, Glomski M, Singhal A, Volberg V, Beckerman B, Goswami E. Assessing user exposure to consumer products: methods specific to product use and exposure route to assess consumer health risk. Presented at the 36th Annual Meeting of SETAC North America, Salt Lake City, UT, November 1-5, 2015.

Goswami E, Craven V, Dahlstrom D, Mowat F. Domestic asbestos exposures: A review of epidemiologic and exposure data. *American Industrial Hygiene Conference and Exposition (AIHce)*, Denver, CO, May 22-27, 2010.

Sheehan P, Bogen K, Brorby G, Goswami E. Improved estimates of worker exposure to benzene during parts washing based on a new approach analyzing solvent and air data for other aromatic constituents. Presented at the *American Industrial Hygiene Conference and Expo*, Denver, CO, May 22-27, 2010.

Sheehan P, Bogen K, Brorby G, Goswami E. Worker inhalation exposure to benzene from solvents during parts washing. *Society for Risk Analysis 2009 Annual Meeting*, Baltimore, MD, December 6-9, 2009.

Sheehan P, Goswami E, Hicks J, Barrie M. An assessment of historical benzene exposures of printing press operators. Presented at the *American Industrial Hygiene Conference and Expo*, Minneapolis, MN, May 31-June 5, 2008.

Sheehan P, Hicks J, Goswami E, Lau E, Greene J, Fedoruk MJ. Assessment of mechanics' exposure to benzene in mineral spirit solvents during parts washing activities. Presented at the *American Industrial Hygiene Conference and Expo*, Chicago, IL, May 13-18, 2006.

Goswami E, Malzahn D, Richter R, Sheehan P. Simulation and modeling techniques to reconstruct historical benzene exposures. Platform presentation at the *Society for Risk Analysis Meeting*, Baltimore, MD, December 3-6, 2006.

Brorby G, Kalmes R, Goswami E, Mowat F, Sheehan P. Evaluating exposures to consumer products. Platform presentation at the Society for Risk Analysis Meeting, Baltimore, MD, December 3-6, 2006.

Sheehan P, Malzahn D, Goswami E, Kalmes R, Hicks J, Mandel J. Use of a simulation to estimate benzene exposure from degreasing elevator parts. Presented at the Society for Risk Analysis Meeting, Baltimore, MD, December 3-6, 2006.

Goswami E, Greene J, Sheehan P, Hicks J. Analysis of exposure to benzene in mineral spirit solvents during parts washing and degreasing operations. Poster presentation at the Society of Toxicology Meeting, San Diego, CA, March 5-9, 2006.

Goswami E, Kalmes R. Exposure to formaldehyde during use of a nail care product. Poster presentation at the American Industrial Hygiene Association Conference and Exposition, Anaheim, CA, May 21-26, 2005.

Madl AK, Leung HW, Proctor D, Goswami E, Hays S, Cohen E. Derivation of a RfD for perchlorate: Identifying a critical health endpoint and the most sensitive subpopulation. Poster presentation at the Society of Toxicology Annual Meeting, Baltimore, MD, March 21-25, 2004.