

## Chinomso Ibe Bio

Chinomso Ibe is an Industrial Hygiene Masters of Public Health Candidate in the School of Public Health, University of Minnesota. She holds a Masters of Science in Environmental Science Management from Southern Illinois University Edwardsville and a B.A. degree in Environmental Studies from Principia College. Her professional experience include laboratory analysis, waste management, and leading Industrial hygiene projects in ventilation, hearing conservation, and exposure assessment for two private companies in the Midwest. Chinomso is a member of the American Industrial Hygiene Association (AIHA).

## Abstract

In recent years, certain chemical ingredients in nearly all consumer-available nail care products in the United States have been eliminated due to their toxicity and substituted with less hazardous chemicals. However, exposure to these substituted chemicals in the nail salon work environment may still pose health risks when their airborne concentrations exceed health based exposure limits.

In this particular study, we prioritize a list of potential chemical exposures in one illustrative salon using a risk ranking scheme. For this risk characterization, we collect information of nail salon services and workplace training by means of a walk-through audit and interview method as well as conduct a chemical inventory of nail care products. Indoor air concentrations measurements are taken to determine nail technicians' chemical exposure levels within the illustrative nail salon.