



**RISK
MANAGEMENT**
Consulting Health Scientists

EXPOSURE SCIENCES AND TOXICOLOGY

RISK SCIENCES

RHP scientists review existing and potentially suitable chemistries with the intent to reduce impacts on human health and the environment through careful exposure and hazard assessment, and substitution feasibility analyses. RHP scientists can help with:

- Assessment of product portfolios, creation of chemical hazard summaries, risk assessment of chemicals and products, identification of chemical vulnerabilities, and strategic planning for chemical substitution
- Identification of mechanisms of toxicity, dose response assessment, uncertainty analysis, and forensic speciation of chemical mixtures for cause-effect determination
- Migration modeling of toxicants from packaging into food

RHP scientists use scientifically rigorous frameworks, innovative and cutting-edge tools, and regulatory frameworks in toxicology, exposure modeling, dose response assessment, to assess risk profiles of chemicals, identify safer & sustainable alternatives, bolster decision making via use of robust scientific methods, and formulate economically and technically feasible risk management measures.

AIR TOXICS FOR COMMUNITY IMPACTS & OCCUPATIONAL HEALTH & SAFETY

The air quality experts at RHP couple exposure monitoring and modeling with toxics to develop site specific risk assessments. RHP scientists can tailor risk management measures for chemical emissions arising from various sources in your facility or neighboring facilities that may affect your workforce, the community or the environment. The air toxics group at RHP can assist with:

- Utilization of regulatory models for accidental releases, demonstrating compliance with state and federal air quality regulations and determining the placement of air toxics fence line monitors
- Model air toxics releases and exposures for submission of pre-manufacturing notices and TSCA test orders
- Design and implement indoor air modeling and exposure simulation studies to support development of occupational exposure limits (OELs)



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