Chemical Insights

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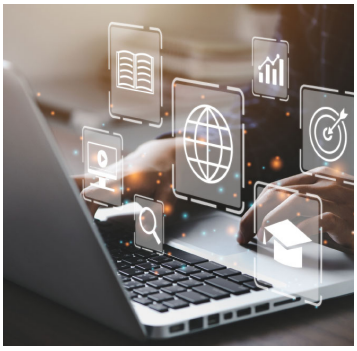
Foresight

CIRI Introduces Its Extensive Resource Library

The Chemical Insights Research Institute (CIRI) of UL Research Institutes is dedicated to rigorous and objective scientific research on chemical exposure and environmental health issues. This month, we would like to share our comprehensive resource library that features key information on all our research topics.

New Resource Library



Learn more about our research through our new website featuring a vast resource library of scientific journal articles, standards and guidance documents, technical reports, educational videos, and additional publications spanning our research initiatives — allowing users to filter by research initiative, resource type, and author.

Visit to get information on our key research topics including global air pollution, children's health, climate change and health, wildfires, per- and polyfluoroalkyl substances (PFAS), hazards of vaping, 3D printing emissions and the risks of chemical exposure from consumer products.

Highlighting a few recent publications in our resource library:

- Each of our research initiatives has a Strategic Research Technical Brief that outlines our research objectives, processes and partners. Visit one of our recent Technical Briefs on our PFAS research, "A Strategic Research Initiative on the Impact of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) on Human Health."
- Peer-reviewed journal articles are fundamental to CIRI's credibility and research findings. Read this recent article, "Toxicological Assessment of Particulate and Metal Hazards Associated with Vaping Frequency and Device Age," to learn how electronic nicotine delivery systems (ENDS) aerosols present inhalation and adverse respiratory health risks.
- Guidance documents with stakeholder input provide key application approaches for applying our research for the betterment of human health. The recent Guidance Document, UL 200A, "Use of Do-It-Yourself Filtration Devices During Wildfires," features how to make DIY air cleaners that can be used to filter out smoke particulates during wildfires or other events creating particle pollution.
- Technical briefs and application notes on key topics bring important information forward that can address current or impending health risks. Considering recent fires and explosions, such as the train derailment in East Palestine, Ohio, CIRI provided information on health risks of contaminated dust that can infiltrate buildings and tips for cleaning it up.
    - Technical Brief, "When the Dust Settles: Reducing Chemical and Particle Health Risks Following a Large-Scale Urban Fire"
    - Application Note, "Strategies for Cleaning Hazardous Settled Dust After a Smoke Event"

Stay connected with CIRI by reading our news alerts that can lead you to recently published materials. And also on the resource library page, view the latest bibliography to see the breadth of our research expertise which is published bi-annually.

Publications and Events

Recent Publications

- Per- and Polyfluoroalkyl Substances (PFAS) Tools
  - PFAS research website page
  - What are PFAS? educational video
  - PFAS Research educational video
- Key Technical Presentation, National Science Teaching Association's Annual Conference, "From Research to Impact – Storytelling Science for a Safer World"

Upcoming Events

- AIHce EXP 2023, May 22 - 24, 2023
  - "Secondhand Vape Emissions from Electronic Nicotine Delivery Systems"
  - "Engineering Control to Reduce 3D Printing Exposure"
- AIA Conference on Architecture 2023, June 7 – 10, 2023, "Research Scientists' Perspectives on Climate Impacts for Building Environment & Materials"
- NeoCon, June 12 – 14, 2023, "Building Resiliency for Health"
- Ron Blank GreenCE Academy, June 23, 2023, "Chemistry 101 for Building Professionals"
- CSHEMA Annual Conference, July 22 – 26, 2023, "CIRI + CSHEMA = 3D Printer Safety Guidance for Your Campus"