

## Additional Resources

Society of Environmental Toxicology and Chemistry. 2023. **Technical Issue Paper. Chemical Alternatives Assessment.** Pensacola (FL): 4 pp. SETAC  
<https://www.setac.org/resource/setac-tip-alternative-assessments-pdf.html>

American Chemical Society -**Chemical Alternative Assessment Fact Sheet** -  
<https://www.acs.org/content/dam/acsorg/about/governance/committees/cei/fact-sheets/chemical-alternatives-assessment-fact-sheet.pdf>

**ECHA Substitution of Hazardous Chemicals (multiple resources)-**  
<https://echa.europa.eu/substitution-to-safer-chemicals>

**Alternatives Assessment Framework of the Lowell Center for Sustainable Production**  
2006 [https://www.uml.edu/docs/alternatives%20assessment%20framework\\_tcm18-229886.pdf](https://www.uml.edu/docs/alternatives%20assessment%20framework_tcm18-229886.pdf)

**Washington State Department of Ecology Safer Chemicals for Manufacturers**  
(webpage for component and product manufacturers) - <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/safer-alternatives/safer-chemicals-for-manufacturers>

**Research Institute of Sweden Alternative Assessment (RISE) page-**  
<https://www.ri.se/en/centre-for-chemical-substitution/about-chemical-substitution/alternatives-assessment>

**EPA Design for the Environment Alternatives Assessments-**  
<https://www.epa.gov/saferchoice/design-environment-alternatives-assessments>

**IC2 Alternatives Assessment Library** <https://www.theic2.org/alternatives-assessment-library/>

**Subsportplus Case Story database**  
<https://www.subsportplus.eu/subsportplus/EN/Cases/Case-story-database>

**OECD Substitution and Alternatives Assessment Toolbox** (halfway down the page)  
<https://www.oecd.org/en/topics/risk-management-risk-reduction-and-sustainable-chemistry.html>

**Toxics Use Reduction Institute Assessing Alternatives-** <https://www.turi.org/assessing-alternatives/>

**OECD eChem Portal-** <https://www.echemportal.org/echemportal/> (how to perform a search is [here](#))

**US EPA CompTox Chemicals Dashboard** <https://comptox.epa.gov/dashboard/>

## Organizations

### **The Advancement and Application of Alternatives Assessment**

<https://www.saferalternatives.org/> and <https://www.setac.org/group/advancement-and-application-of-alternatives-assessment-a4.html>

## Additional Trainings or training materials

**ECHA Online training on analysis of alternatives-** <https://echa.europa.eu/online-training-on-analysis-of-alternatives>

**University of Washington Green Chemistry & Chemical Stewardship Online certificate program** (content on Alternatives Assessment) <https://oshce.uw.edu/pages/green-chemistry-chemical-stewardship-online-certificate-program>

**OSHA 7225 (description)** This is taught by regional education centers. [OSHA Education Center- Manchester](#), [North Carolina State University Industry Expansion Solutions](#), [San Diego Extension Studies](#), [OSHA Education center- University of Washington](#)

**Understanding Hazard and Risk- (lecture materials and activities)** <https://gctlc.org/02-understanding-hazard-and-risk-toxicology-chemists-module-2>

**Video series on solvents-** <https://www.youtube.com/watch?v=5WDSof9d3nU>

**RISE Training Page - English-** <https://www.ri.se/en/centre-for-chemical-substitution/educational-videos-and-webinar-on-chemical-substitution>, Swedish- <https://www.ri.se/sv/substitutionscentrum/inspelade-utbildningar-och-informationsfilmer/grundkurs-i-alternatives>

**Environmental Engineering and Sustainable Design, 2nd Edition ISBN-13:** [9780357675854](#) Chapter 6. Hazardous Substances and Risk Assessment, Chapter 15. Assessing Alternatives.

## Selected Peer Review Publications

**Avoiding Regrettable Substitutions: Green Toxicology for Sustainable Chemistry**

<https://pubs.acs.org/doi/10.1021/acssuschemeng.0c09435>

**Alternatives assessment and informed substitution: A global landscape assessment of drivers, methods, policies and needs**

<https://www.sciencedirect.com/science/article/pii/S235255411930052X?via%3Dihub>

**The Advancement and Application of Alternatives Assessment**

<https://www.saferalternatives.org/> and <https://www.setac.org/group/advancement-and-application-of-alternatives-assessment-a4.html>

## Sector Specific Resources:

**Using Alternatives Assessment to Support Informed Substitution of PFAS in the Electronics Industry**

<https://saferalternatives.org/assets/documents/A4-PFAS-Electronics-August-2023.pdf>

**Clean Electronics Production Network Alternatives Assessment Guide and Worksheet**

<https://cleanelectronicsproduction.org/tools-resources/cepn-toolbox/alternatives-assessment-guide-worksheet>

**American Chemical Society Green Chemistry Institute- Pharmaceutical Roundtable Tools-**

<https://acsgcipr.org/tools/>

**ChemFORWARD Resources for Packaging-**

<https://www.chemforward.org/packaging>

**Alternatives to Halogenated Solvents Used in Surface Cleaning**

<https://www.turi.org/publications/alternatives-to-halogenated-solvents-used-in-surface-cleaning/>