

Appendix I. Online Resources

Restricted Substance Lists & RSL Resources

AAFA Restricted Substance List

https://www.aafaglobal.org/AAFA/Solutions_Pages/Restricted_Substance_List

This RSL was created by a special working group of the American Apparel & Footwear Association's (AAFA) Environmental Task Force. The RSL is intended to provide apparel and footwear companies with information related to regulations and laws that restrict or ban certain chemicals and substances in finished home textile, apparel, and footwear products around the world.

AFIRM Member Brands

www.afirm-group.com/members/

AFIRM Restricted Substances List

www.afirm-group.com/afirm-rsl/

This RSL was created by the Apparel & Footwear International RSL Management Group (AFIRM). This RSL lists substances currently subject to legislated limits around the world, as well as limits based on best practices in the apparel and footwear industries.

bluesign®

<https://www.bluesign.com/index.html>

The bluesign® system aims to link all stages of the manufacturing supply chain and remove harmful chemicals through the use of input technology.

ChemSec – SIN List

<http://chemsec.org/sin-list/>

The SIN List is published by ChemSec and used to identify hazardous chemicals under the definitions and standards used by REACH. This list is meant to provide a glimpse into harmful chemicals that may be regulated in the future.

Ecological Toxicological Association of Dyestuffs (ETAD)

<http://etad.com/en>

An industry group with the operating goal of being active wherever the safety of colorants is discussed, to provide scientific know-how so that any risk for customers as well as end users is minimized.

OEKO-TEX®

https://www.oeko-tex.com/en/business/business_home/business_home.xhtml

OEKO-TEX® is an association of textile research and testing institutes that have developed assessment standards in manufacturing to certify entities in the areas of chemicals management, environmental performance, environmental management, social responsibility, quality management, and occupational health & safety.

Zero Discharge of Hazardous Chemicals Programme

<https://www.roadmapzero.com/>

The Zero Discharge of Hazardous Chemicals (ZDHC) Programme aims to remove hazardous chemicals in the textile, leather, and footwear supply chain for the improvement of the environment and human health. Made up of a number of stakeholder brands, value chain affiliates, and associates, ZDHC focuses on Manufacturing Restricted Substances List (MRSL) guidance, wastewater quality, audit protocol, and research to advance their mission.

ZDHC Manufacturing Restricted Substances List

<https://www.roadmapzero.com/programme/manufacturing-restricted-substances-list-mrsl-conformity-guidance/>

The ZDHC Programme created this MRSL to target restricted chemicals during the manufacturing stage. Instead of restricting chemicals at the finished product stage, the MRSL manages chemical input within manufacturing facilities prevent any intentional use.

Meeting Customer Needs for Chemical Data: A Guidance Document for Suppliers

Green Chemistry and Commerce Council (GC3)

https://greenchemistryandcommerce.org/downloads/GC3_guidance_final_031011.pdf

Business-to-business communication of chemical data, such as chemical identity and health and safety impacts, along supply chains is critically important to product manufacturers' efforts to make informed decisions on the health and environmental impacts of the products that they put on the market.

Forward-looking companies working to bring safer products to market need the active engagement of suppliers to provide relevant chemical information. This document provides tools and examples in support of improved supply chain communication between suppliers and their customers, and in the development of more sustainable products.

Laboratory Resources

List of CPSC-accepted Testing Laboratories

<https://www.cpsc.gov/cgi-bin/labsearch/>

To provide an up-to-date resource to find a reputable testing lab, the CPSC-accepted list of testing labs is a good place to start. This is a list of entities that have been accredited to assess conformity with children's product safety rules as required by the CPSIA. The laboratories in this list have been accepted as accredited to test products to one or more

of these children's product safety rules, as identified in the accreditation scope for each laboratory.

Global Regulation & Chemical Resources

European Chemicals Agency

<https://echa.europa.eu>

The European Chemicals Agency (ECHA) is an agency of the European Union that manages the technical, scientific and administrative aspects of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) system.

Information about the following can be found on ECHA website:

REACH Legislation Information. REACH is the Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals. It entered into force on 01 June 2007 to streamline and improve the former legislative framework on chemicals of the European Union (EU).

Substances of Very High Concern (SVHC). Substances that are included in the Candidate List have been identified as Substances of Very High Concern. Substances on the Candidate List may subsequently become subject to authorisation by decision of the European Commission. Substances are added to the Candidate List by ECHA. The inclusion of a substance in the List may have legal obligations on companies.

Information on Registered Substances

<https://echa.europa.eu/information-on-chemicals/registered-substances>

Here you can search in the ECHA database for information on registered substances.

The information in the database was provided by companies in their registration dossiers. You can find a variety of information on the substances which companies manufacture or import: their hazardous properties, their classification and labeling and how to use the substances safely.

Consumer Product Safety Improvement Act

www.cpsc.gov/en/Regulations-Laws--Standards/Statutes/The-Consumer-Product-Safety-Improvement-Act/

The Consumer Product Safety Improvement Act (CPSIA) of 2008 is a U.S. law imposing testing and documentation requirements, and sets new acceptable levels of several substances. It imposes requirements on manufacturers of apparel, shoes, personal care products, accessories and jewelry, home furnishings, bedding, toys, electronics and video games, books, school supplies, educational materials and science kits.

U.S. Environmental Protection Agency

www.epa.gov

The U.S. Environmental Protection Agency (EPA) is an agency of the United States federal government charged with protecting human health and the environment, by writing and enforcing regulations based on laws passed by Congress. This agency administers laws such as the Clean Air Act (CAA), Clean Water Act (CWA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or Superfund), Resource Conservation and Recovery Act (RCRA), and Toxic Substances Control Act (TSCA).

EPA Integrated Risk Information System

<https://www.epa.gov/iris>

The Integrated Risk Information System (IRIS) is a human health assessment program that evaluates quantitative and qualitative risk information on effects that may result from exposure to environmental contaminants. IRIS was initially developed for EPA staff in response to a growing demand for consistent information on substances for use in risk assessments, decision-making, and regulatory activities.

The information in IRIS is intended for those without extensive training in toxicology, but with some knowledge of health sciences.

California State Safer Consumer Products Act

Formerly Green Chemistry Initiative

California Department of Toxic Substance Control

<https://dtsc.ca.gov/scp/>

California state government is developing an alternative analysis framework to stimulate the rapid acceleration of replacing harmful chemicals and ingredients with safer alternatives in products sold in California. Work performed under this initiative will become regulation under California law.

California Department of Toxic Substance Control (DTSC) has released of an outline of the Draft Regulations for Safer Products as a second step in identifying chemicals of concern and fostering the design of safer products sold in California.

The outline proposes guidelines for scientific and systematic prioritization of chemicals and products of concern, certification of alternatives assessment and development of DTSC's regulatory response. With this outline, DTSC will continue its collaboration with all stakeholders, governmental agencies, and the public to transform the outline into the Green Chemistry Regulations for Safer Products. The outline builds from the conceptual framework completed in March of 2010. The next step is creating draft regulations based on the outline and framework. The draft regulations will be released in the very near future.

California Proposition 65 (Prop 65)

<http://oehha.ca.gov/prop65.html>

Proposition 65 is a California law intended to eliminate exposures to those chemicals identified as harmful to the environment and the citizens of the State of California.

Proposition 65 regulates substances officially listed by California as causing cancer or birth defects or other reproductive harm in two ways. The first regulatory arm of Proposition 65 prohibits businesses from knowingly discharging listed substances into drinking water sources or onto land where the substances can pass into drinking water sources. The second regulatory arm of Proposition 65 prohibits businesses from knowingly exposing individuals to listed substances without providing a clear and reasonable warning.

Washington State Children's Safe Products Act

Washington Department of Ecology
<https://ecology.wa.gov/Waste-Toxics/Reducing-toxic-chemicals/Childrens-Safe-Products-Act>

As of August 2012, the Washington State Child Safe Product Act (CPSA) requires apparel companies to report concentrations of 66 substances down to the component level of children's apparel and footwear products.

Chemical & Risk Assessment Resources

Agency for Toxic Substances and Disease Registry

www.atsdr.cdc.gov

The Agency for Toxic Substances and Disease Registry (ATSDR), based in Atlanta, Georgia, U.S.A., is a federal public health agency of the U.S. Department of Health and Human Services. ATSDR serves the public by using the best science, taking responsive public health actions, and providing health information to prevent harmful exposures and diseases related to toxic substances.

European Chemical Substances Information System

<https://echa.europa.eu/information-on-chemicals>

The European Chemical Substances Information System (ESIS) is a publicly available IT system from the European Commission Institute for Health and Consumer Protection Joint Research Center. ESIS provides information on chemicals, related to:

- EINECS (European Inventory of Existing Commercial Chemical Substances) O.J. C 146A, 15.6.1990,
- ELINCS (European List of Notified Chemical Substances) in support of Directive 92/32/EEC, the 7th amendment to Directive 67/548/EEC,
- NLP (No-Longer Polymers),

- BPD (Biocidal Products Directive) active substances listed in Annex I or IA of Directive 98/8/EC or listed in the so-called list of non-inclusions,
- PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very Persistent and very Bioaccumulative),
- CLP/GHS (Classification, Labelling and Packaging of substances and mixtures), CLP implements the Globally harmonised System (GHS), Regulation (EC) No 1272/2008,
- Export and Import of Dangerous Chemicals listed in Annex I of Regulation (EC) No 689/2008,
- HPVCs (High Production Volume Chemicals) and LPVCs (Low Production Volume Chemicals), including EU Producers/ Importers lists
- IUCLID Chemical Data Sheets, IUCLID Export Files, OECD-IUCLID Export Files, EUSES Export Files,
- Priority Lists, Risk Assessment process and tracking system in relation to Council Regulation (EEC)

Global Portal to Information on Chemical Substances

<https://www.echemportal.org/echemportal/>

The eChemPortal provides free public access to information on the properties of chemicals:

- Physical chemical properties
- Ecotoxicity
- Environmental fate and behavior
- Toxicity

eChemPortal allows simultaneous searching of reports and datasets by chemical name and number, and by chemical property. Direct links to collections of chemical hazard and risk information prepared for government chemical review programmes at national, regional, and international levels can be obtained. Classification results according to national/ regional hazard classification schemes or to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) are provided when available.

The eChemPortal is an effort of the Organisation for Economic Co-operation and Development (OECD) in collaboration with the European Commission (EC), the European Chemicals Agency (ECHA), the United States, Canada, Japan, the International Council of Chemical Associations (ICCA), the Business and Industry Advisory Committee (BIAC), the World Health Organization's (WHO) International Program on Chemical Safety (IPCS), the United Nations Environment Programme (UNEP) and environmental non-governmental organizations.