

Federal Statutes Regulating Chemicals

Abbreviation	Statute	Brief Summary
1. TSCA	Toxic Substances Control Act 15 U.S.C. §§ 2601 – 2695d	• Requires premanufacture notification for all new chemicals not on the TSCA Inventory; authorizes Environmental Protection Agency (EPA) to restrict new chemicals of concern • Authorizes EPA to require periodic reporting of information about chemicals, including manufacturing and use data and health and safety studies • Requires reporting of information that reasonably supports the conclusion of substantial risk • Authorizes EPA to require data submission (akin to premanufacture notice) before companies engage in “significant new uses” of chemicals • Authorizes EPA to issue test rules, and reporting rules for chemicals it finds may pose an unreasonable risk; chemicals may also be tested by industry through voluntary programs under TSCA • Authorizes EPA to require testing to meet good laboratory practice standards and validated protocols • Authorizes EPA to ban or restrict chemicals that pose an unreasonable risk to human health or the environment • Requires certification of TSCA compliance for all imported chemicals • Requires notification to EPA of export of chemicals that have been restricted in the United States • Supports EPA initiatives to prioritize and review chemicals and take regulatory actions to restrict chemicals where EPA deems necessary
2. FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act 7 U.S.C. §§ 136 – 136y	• Requires all pesticide products and their active ingredients, including antimicrobials and certain kinds of preservatives, to be registered prior to sale • Registration requires data showing that the pesticide is effective and does not pose an unreasonable risk to man or the environment; burden of proof is on pesticide manufacturer

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		• Authorizes EPA to require testing to meet good laboratory practice standards and validated protocols • Requires registration of producing establishments • Requires annual production reporting • Requires reporting of adverse effects information • Requires certification of FIFRA compliance for imported pesticides • Requires detailed package labeling • Requires notification of export of unregistered pesticides
3. FFDCA	Federal Food, Drug, and Cosmetic Act 21 U.S.C. §§ 301 – 399d	• Prohibits the sale of any food, drug, medical device, or cosmetic that is adulterated or misbranded • Requires premarket approval of food additives, color additives, new dietary ingredients, drugs, and medical devices, including their components, based on a showing that they are safe • Requires producers of food additives that are not “generally recognized as safe” to demonstrate to a reasonable certainty that no harm will result from the intended use of their additives • Broadly defines “food additive” to include small transfers from food packaging materials
4. FQPA	Food Quality Protection Act 110 Stat. 1489, amending FIFRA and FFDCA	• Requires EPA to set tolerances, or maximum safe residue limits, for pesticide residues on foods • Expands EPA authority over food contact substances, e.g. antimicrobials in or on food packaging • Includes special protections for infants and children • Requires EPA to expedite approval of reduced risk pesticides
5. CAA	Clean Air Act 42 U.S.C. §§ 7401 – 7671q	• Sets mandatory performance levels for reducing emissions of toxic air pollutants from various categories of industrial facilities • Requires plans for the prevention of emergency releases to air of highly toxic chemicals • Requires air pollution sources to meet emission limits and obtain permits from EPA or states • Requires reporting and recordkeeping under the permits • Requires phasing out of production and use of ozone-destroying chemicals and encourages the development of “ozone-friendly” substitutes

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6. FWPCA / CWA	Federal Water Pollution Control Act (Clean Water Act) 33 U.S.C. §§ 1251 – 1387	• Controls chemical discharges of pollutants to waters through the National Pollutant Discharge Elimination System (NPDES) permit program • Imposes both technology-based standards and effluent guidelines • Operates pretreatment program for industrial facilities that discharge chemicals in waste water into municipal sewer systems
7. SDWA	Safe Drinking Water Act 42 U.S.C. §§ 300f – 300j-26	• Requires EPA to set national health-based standards for chemicals and other contaminants in drinking water • Requires public water systems to test for contaminants and meet drinking water standards; operators must be certified
8. RCRA/ SWDA	Resource Conservation and Recovery Act, amending the Solid Waste Disposal Act 42 U.S.C. §§ 6901 – 6992k	• Gives EPA “cradle-to-grave” authority to control hazardous waste • Requires hazardous waste identification and tracking • Establishes extensive permitting and operating requirements for hazardous waste generators, transporters, treatment facilities, storage facilities, and disposal facilities • Requires corrective action to clean up releases of hazardous wastes or hazardous waste constituents at RCRA-regulated sites • Provides framework for management of non-hazardous solid waste
9. CERCLA / Superfund	Comprehensive Environmental Responsibility, Compensation, and Liability Act 42 U.S.C. §§ 9601 – 9675	• Establishes processes and standards for clean-up of hazardous waste sites and removal and remediation of contaminants • Imposes strict liability for clean-up for potentially responsible parties, including prior owners/operators, entities that arranged for waste disposal, and others, thereby ensuring that care is taken against chemical releases going forward to avoid this liability • Establishes National Oil and Hazardous Substance Pollution Contingency Plan (NCP) • Created the Agency for Toxic Substances and Disease Registry (ATSDR) within CDC Public Health Service, and other offices
10. EPCRA	Emergency Planning and Community Right-to-Know Act 42 U.S.C. §§ 11004 – 11050	• Requires companies to submit detailed annual reports on releases and transfers of certain toxic chemicals (Toxic Release Inventory or TRI reporting); makes reported data publicly available • Requires every community in the United States to be part of a comprehensive emergency response plan; facilities must participate in the planning process

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		• Requires companies to maintain material safety data sheets (MSDSs) for hazardous chemicals and to submit the MSDSs or lists of chemicals, and annual inventory of these chemicals, to state and local emergency planning entities and the local fire department (Tier I or Tier II reporting) • Requires immediate notification of accidental chemical releases to state and local emergency planning entities • Requires notification of the presence of high quantities of listed “extremely hazardous substances” to state and local entities
11. PPA / P2 Act	Pollution Prevention Act 42 U.S.C. §§ 13101 – 13109	• Requires companies to file an annual toxic chemical source reduction and recycling report along with TRI report • Requires EPA to consider the effects of its regulations on reduction of pollution production at the source and to coordinate with other agencies to promote source reduction • Creates a Source Reduction Clearinghouse to foster information exchange on source reduction techniques and technical assistance for businesses • Provides grants to states for source reduction programs
12. OSH Act	Occupational Safety and Health Act 29 U.S.C. §§ 651 – 678	• Establishes wide-ranging hazard communication program • Requires manufacturers and importers of hazardous materials to conduct hazard evaluations of the products they manufacture or import • Requires labels and material safety data sheets for hazardous materials at the workplace and accompanying initial shipments to new customers • Requires companies to provide personal protective equipment and training to protect against chemical and other workplace risks • Requires recordkeeping of workplace injuries and illnesses and reporting of serious incidents • Maintains Occupational Chemical Database with EPA • Established the National Institute of Occupational Safety and Health (NIOSH) which researches, inter alia, chemical safety
13. HMTA	Hazardous Materials Transportation Act 49 U.S.C. §§ 5101 – 5127	• Requires identification of potential hazards (including toxicity, flammability, corrosivity, etc.) of transported materials and

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		products • Requires hazard communication (shipping papers, package marking and labeling, and vehicle placarding) for various classes of hazardous materials including listed materials, hazardous wastes, and marine pollutants • Specifies packaging safety requirements • Specifies operational and training requirements for transportation of chemicals and hazardous materials by various modes (air, water, road, rail, pipeline) • Administered by Department of Transportation's Pipeline and Hazardous Materials Safety Administration
14. CPSA / CPSIA	Consumer Product Safety Act, as amended by the Consumer Product Safety Improvement Act 15 U.S.C. §§ 2051 – 2089	• Establishes independent Consumer Product Safety Commission • Governs manufacturers (including importers), distributors, and retailers • Sets preference for consensus voluntary private sector standards (e.g. ANSI, ASTM) but authorizes CPSC to impose mandatory standards for product safety • Restricts lead paint and phthalates in children's products or child care articles • Requires labeling, tracking, third party testing and certification for children's products • Requires general conformity certification with each shipment • Requires reporting of product defects or non-compliance with mandatory standards • Enforced by retail, import, and internet surveillance
15. PPPA	Poison Packaging Prevention Act 15 U.S.C. §§ 1471 – 1477	• Requires CPSC to establish standards for special packaging of any household chemical, including fuels, cosmetics, and other substances customarily stored by households, in order to protect children from hazards • Makes alternative labeling option available where child-protective packaging would make the household substance unavailable to elderly or disabled persons
16. FHSA	Federal Hazardous Substances Act 15 U.S.C. §§ 1261 – 1278	• Requires container labeling for hazardous household products to help consumers safely store and use those products and to give

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		information on first aid • Authorizes the CPSC to ban certain products that are so dangerous or the nature of the hazard is such that labeling is not adequate to protect consumers
17. FPLA	Fair Packaging and Labeling Act 15 U.S.C. §§ 1451 – 1461	• Requires each package of household consumer commodities to bear a label on which there is information necessary to prevent consumer deception • Administered by the Federal Trade Commission and FDA
18. CSA	Controlled Substances Act 21 U.S.C. §§ 801 – 971	• Restricts the manufacture, import, export, distribution, and use of chemicals which are narcotics or can be used to make narcotics • Administered by the Drug Enforcement Administration in the Department of Justice and by FDA
19. CFATS	Department of Homeland Security Appropriations Act 6 U.S.C. § 121 note	• Authorizes the Department of Homeland Security (DHS) to establish risk-based Chemical Facility Anti-Terrorism Standards for the security of chemical facilities • DHS assigns facilities to one of four risk tiers; different assessment and planning obligations are imposed for the different tiers
20. CWC	Chemical Weapons Convention Implementation Act 22 U.S.C. §§ 6701 – 6771	• Authorizes reporting of information about chemicals that may be used to make chemical weapons • Authorizes international inspection of facilities where chemicals that may be used to make chemical weapons are present • Administered by the Department of Commerce's Export Administration and by the Department of State