

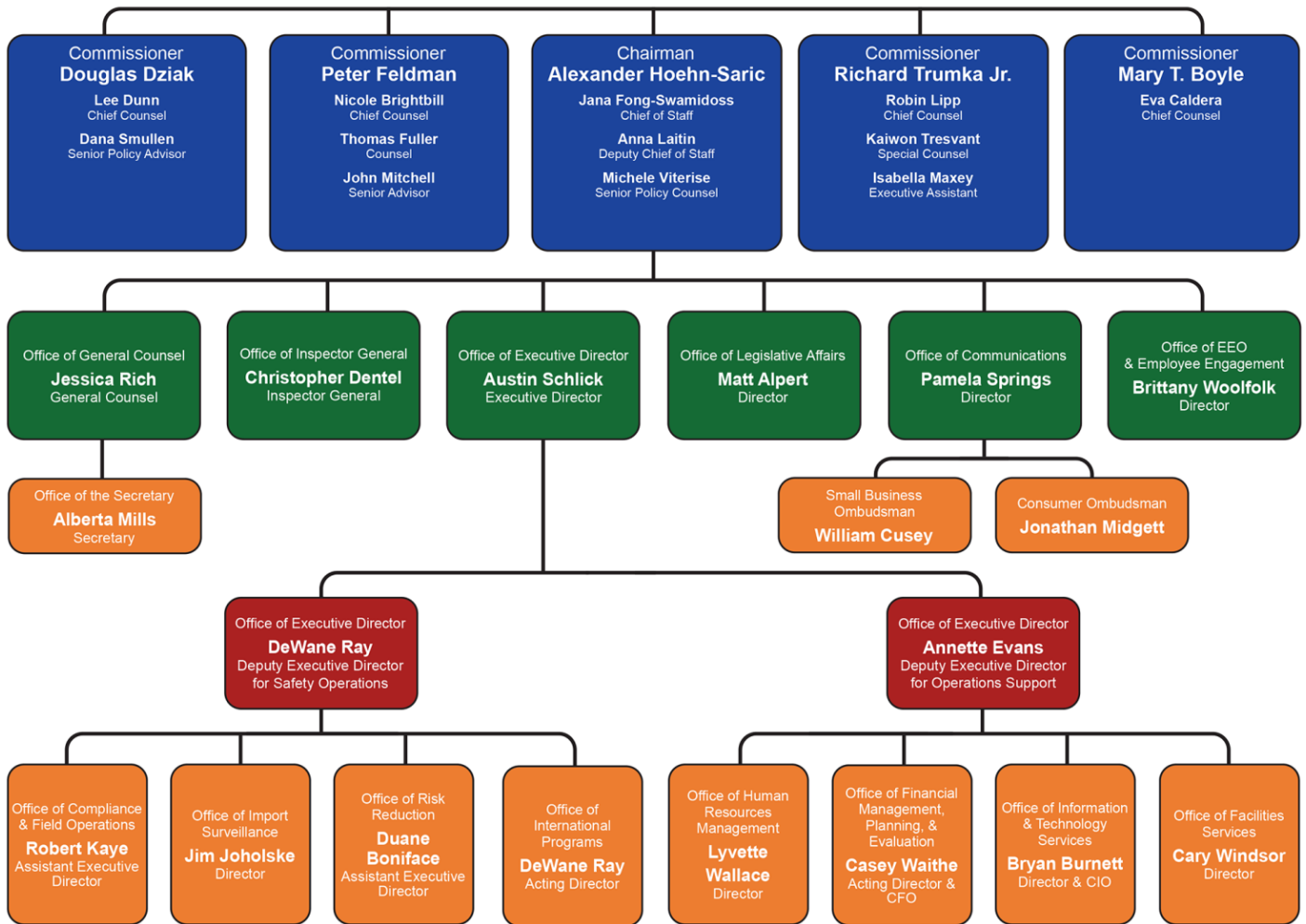


2024 ANNUAL REPORT

TO THE PRESIDENT AND
CONGRESS

.....
UNITED STATES CONSUMER
PRODUCT SAFETY COMMISSION

**U.S. Consumer Product Safety Commission
Organizational Chart**



This report was prepared by CPSC staff, who are responsible for its content.

United States Consumer Product Safety Commission



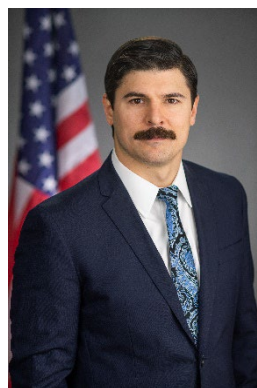
Chair
Alexander Hoehn-Saric



Commissioner
Peter A. Feldman



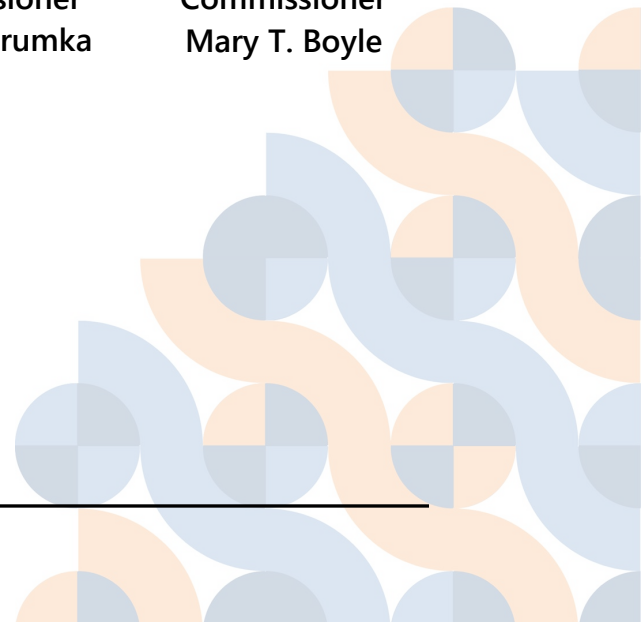
Commissioner
Douglas Dziak



Commissioner
Richard Trumka



Commissioner
Mary T. Boyle



Report to the President and Congress Pursuant to Section 209 of the Consumer Product Safety Improvement Act of 2008

This report is submitted to the President and Congress under section 27(j) of the Consumer Product Safety Act (CPSA) (15 U.S.C. § 2076(j)), as amended by the Consumer Product Safety Improvement Act of 2008 (CPSIA). The report describes many of the activities the staff of the Consumer Product Safety Commission (CPSC) performed to protect the public from hazardous consumer products in fiscal year 2024 (2024). It has been prepared by CPSC staff.

Additional information can be found in the CPSC's Annual Performance Report, available on the CPSC's website at: <https://www.cpsc.gov/About-CPSC/Agency-Reports/Performance-and-Budget>.

CPSC's vast mission to protect the public from hazardous consumer products is made all the more challenging by the limited resources available to the agency. Staff nevertheless continues to make important progress in fulfilling this vital charge by focusing on four metrics that are outlined in CPSC's Strategic Plan 2023 – 2026, including:

- Prevent hazardous products from reaching consumers
- Address hazardous consumer products in the marketplace and in consumers' hands in a fast and effective manner
- Communicate actionable safety information about consumer products quickly and effectively
- An internal focus that calls on staff to efficiently and effectively support the CPSC's mission.

CPSC's Strategic Plan can be found on the agency's website at: https://www.cpsc.gov/s3fs-public/Strategic-Plan-2023-2026.pdf?VersionId=Y6434PE4Jlewh_2ns7YynofecxqNlv1B.

Strategies and Organization of Annual Report

The Commission's actions have reduced consumer product-related injury and death rates by using a wide range of strategies to identify and address product safety hazards. This report is organized around the five strategies noted below:

- **HAZARD IDENTIFICATION AND MONITORING:** Collecting information and monitoring injury and death statistics related to the use of products under the CPSC's jurisdiction;

- **SAFETY STANDARDS**: Participating in the development and strengthening of voluntary safety standards and development of mandatory safety standards;
- **COMPLIANCE AND ENFORCEMENT**: Enforcing compliance with safety standards through compliance activities, such as recalls or other corrective actions, and litigating when necessary;
- **PUBLIC OUTREACH**: Educating consumers, families, foreign governments, and industry about product safety recalls, safety programs and alerts, emerging hazards, and safety standards; and
- **INTERGOVERNMENTAL COORDINATION**: Coordinating work on product safety issues with other governmental stakeholders.

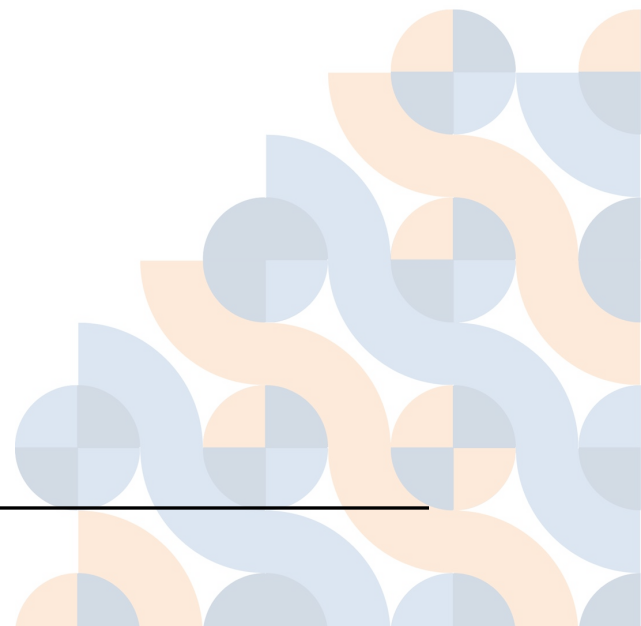


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www.cpsc.gov/About-CPSC/Agency-Reports/Annual-Reports/

I. HAZARD IDENTIFICATION AND MONITORING

The Commission, in fulfilling its mission of keeping consumers safe, collects, reviews, and analyzes data on deaths, injuries, and societal costs associated with consumer products. This section describes the incidence of injury and death associated with products under the jurisdiction of the Commission. Four tables present summary data by totals and by age groups for:

- Product-associated deaths;
- Product-associated injuries;
- Percent of emergency department visits involving product-associated injuries resulting in hospitalization; and
- Estimated costs of product-associated injuries.

Product-Associated Deaths (TABLE 1): CPSC's Directorate for Epidemiology (EPI) collects mortality data through contracts with each state. CPSC staff review about 8,000 death certificates each year, which come from all 50 states and the District of Columbia and cover unintentional product-related deaths. CPSC staff purchases death certificates that have a high probability of consumer product involvement. However, due to limited funding, the agency cannot purchase all product-related death certificates; and because the death certificates purchased sometimes fail to identify the products involved, the total number of actual product-related deaths may be higher than the number reported. Although the deaths in Table 1 represent product involvement, such involvement does not necessarily indicate causality.

Product-Associated Injuries (TABLES 2 and 3): Each year, EPI collects information about product-associated injuries through its National Electronic Injury Surveillance System (NEISS). This unique system provides statistically valid national estimates of product-related injuries from a probability sample of hospital emergency departments (EDs). The NEISS is the foundation for many of the CPSC staff's activities. These injury reports not only provide a means for estimating the magnitude of consumer product-related injuries in the United States, but also serve as a resource for gathering additional information concerning the nature and potential causes of accidents. Annually, NEISS supplies information on almost 400,000 product-related cases. NEISS hospital transmits incident information electronically; and in some cases, the data are available within 24 hours after an incident. Table 2 presents data on estimates of injuries associated with consumer products that resulted in hospital ED treatment. Table 3 presents estimates of the percentages of such injuries that subsequently required hospitalization. Although the injuries in these tables represent product involvement, that involvement does not necessarily indicate a causal relationship.

Cost of Product-Associated Injuries (TABLE 4): To estimate the costs of hospital ED-treated consumer product injuries, CPSC staff employ the agency's Revised Injury Cost Model¹. The costs noted in this report do not include the costs of consumer product-related injuries that are not treated in a hospital ED (*e.g.*, a physician's office or a freestanding urgent care clinic). Also, estimates do not include the economic losses of fatalities associated with the use of consumer products. These losses may be substantial. Furthermore, cost estimates are not available for many acute and chronic illnesses associated with exposure to chemical hazards. The number and costs of these illnesses are expected to be large.

Additional data are collected and analyzed to develop more detailed estimates concerning products for which Commission remedial action has been considered. Based on investigations and interviews with victims or witnesses, the Commission identifies causes of incidents, including the interactions among the persons involved, the products, and the environment. Using all available data, Commission staff periodically prepares hazard analysis reports for selected products.

Commission staff reports can be found at [cpsc.gov](https://www.cpsc.gov):
<https://www.cpsc.gov/research-and-reports-overview>

¹The Revised 2018 Injury Cost Model on the CPSC's website can be found at the following location: [The Consumer Product Safety Commission's Revised Injury Cost Model 2018 | CPSC.gov](https://www.cpsc.gov/research-and-reports-overview)

A. Table 1 - Deaths Associated with the Use of Certain Consumer Products

OCTOBER 1, 2021 – SEPTEMBER 30, 2022

This table presents the latest available estimates of deaths associated with, but not necessarily caused by, the use of consumer products. These estimates are derived from data taken from death certificates that the Commission purchases from the states. The time required for collection and processing varies by state, but the majority of death certificates are received within two years of the date of death.

Product Group ²	Deaths Associated with the Use of Certain Consumer Products				
	Total	Under 5	5-24	25-64	65 and Over
Child Nursery Equipment and Supplies	62	62	0	0	0
Toys	13	3	6	4	0
Sports and Recreational Activities and Equipment	1,527	171	310	646	400
Home Communication, Entertainment, and Hobby Equipment	9	0	3	4	2
Personal Use Items	92	21	8	28	35
Packaging and Containers for Household Products	86	6	9	61	10
Yard and Garden Equipment	121	3	3	35	80
Home Workshop Apparatus, Tools, and Attachments	41	3	6	24	8
Home and Family Maintenance Products	160	0	17	137	6
General Household Appliances	30	0	1	11	18
Space Heating, Cooling, and Ventilating Appliances	66	0	5	39	22
Housewares	22	2	0	12	8
Home Furnishings and Fixtures	1,186	492	67	365	262
Home Structures and Construction Materials	120	44	13	34	29
Miscellaneous	83	0	11	55	17

Source: CPSC Death Certificate Project, as of 12/1/24

Note: † "Total" includes incidents where the age was not recorded. Therefore, the aggregated age groups may not equal the total.

²Product Groups detailed in section E.

B. Table 2 - Estimates of Hospital Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products

OCTOBER 1, 2022 – SEPTEMBER 30, 2023³

This table presents the estimates of hospital ED treated injuries associated with, but not necessarily caused by, the use of consumer products. It is based on data collected from a statistically representative sample of hospitals, as part of the Commission's NEISS. The NEISS hospital sample has been updated periodically to consider changes that have occurred in the NEISS sampling frame of EDs over time (e.g., including hospital EDs opened after the initial sampling frame was constructed).

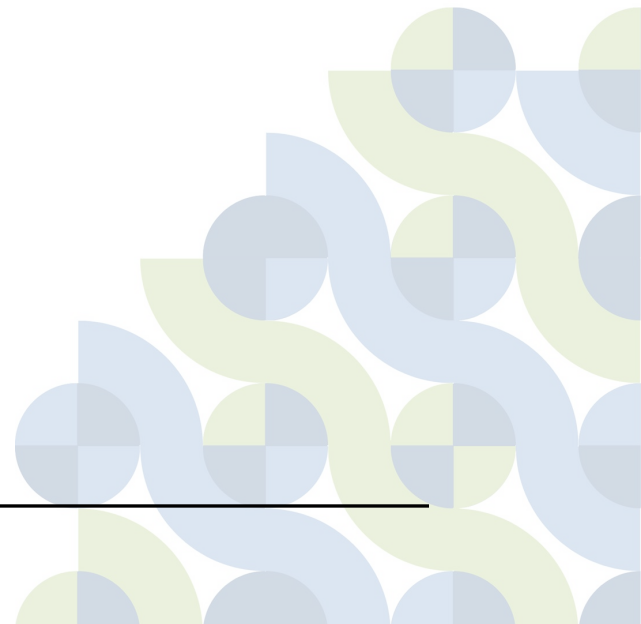
Product Group ⁴	Estimates of Hospital Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products				
	Total	Under 5	5-24	25-64	65 and Over
Child Nursery Equipment and Supplies	87,709	70,717	4,450	10,176	2,366
Toys	180,224	76,449	68,285	29,639	5,851
Sports and Recreational Activities and Equipment	3,632,086	157,049	2,093,852	1,118,543	262,643
Home Communication, Entertainment, and Hobby Equipment	228,635	17,867	54,185	99,185	57,398
Personal Use Items	749,953	128,241	177,089	273,846	170,778
Packaging and Containers for Household Products	383,794	41,205	75,276	185,462	81,851
Yard and Garden Equipment	269,435	4,912	28,586	135,600	100,337
Home Workshop Apparatus, Tools, and Attachments	309,340	13,009	46,673	188,438	61,221
Home and Family Maintenance Products	172,840	30,918	35,765	80,062	26,094
General Household Appliances	147,769	13,577	24,041	64,574	45,576
Space Heating, Cooling, and Ventilating Appliances	115,891	14,997	23,590	51,852	25,451
Housewares	661,364	39,376	175,998	347,013	98,977

³Comparisons with previous Annual Report tables must be done with caution because the NEISS sample was updated on January 1, 1990, and again on January 1, 1997. Additionally, the definition of "in-scope" injuries has been modified over time.

⁴ Product Groups detailed in section E.

Product Group ⁴	Estimates of Hospital Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products				
	Total	Under 5	5-24	25-64	65 and Over
Home Furnishings and Fixtures	3,048,656	471,950	384,851	918,339	1,273,517
Home Structures and Construction Materials	3,857,638	391,582	632,504	1,349,327	1,484,224
Miscellaneous	290,518	39,969	84,017	107,605	58,927

Note: * "Total" includes incidents where the age was not recorded. Therefore, the aggregated age groups may not equal the total.



C. Table 3 – Percent of Hospitalized Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products

OCTOBER 1, 2022 – SEPTEMBER 30, 2023⁵

This table presents the estimated percentages of ED treated injuries associated with consumer products, for which the injured people were hospitalized.⁶ This table gives some indication of the severity of the injury for which treatment was sought.

<i>treated injuries.</i> Product Group ⁷	Percent of Hospitalized Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products				
	Total (%)	Under 5 (%)	5-24 (%)	25-64 (%)	65 and Over (%)
Child Nursery Equipment and Supplies	6	6	3	5	17
Toys	4	3	2	4	22
Sports and Recreational Activities and Equipment	8	5	4	11	27
Home Communication, Entertainment, and Hobby Equipment	9	3	3	6	23
Personal Use Items	12	12	4	8	24
Packaging and Containers for Household Products	8	9	3	6	19
Yard and Garden Equipment	12	5	4	9	19
Home Workshop Apparatus, Tools, and Attachments	7	9	6	6	9
Home and Family Maintenance Products	7	6	2	7	18
General Household Appliances	12	7	5	8	24
Space Heating, Cooling, and Ventilating Appliances	12	7	4	10	24
Housewares	5	9	3	3	15
Home Furnishings and Fixtures	19	4	3	13	34

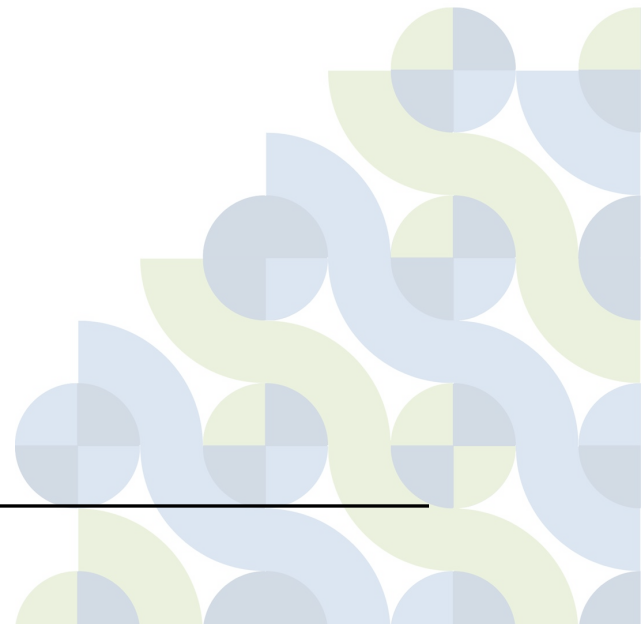
⁵ *Ibid.*

⁶ *The estimated number of injuries that resulted in hospitalization is listed as a percent of the total number of emergency room-*

⁷ *Product Groups detailed in section E.*

Product Group ⁷	Percent of Hospitalized Emergency Department-Treated Injuries Associated with the Use of Certain Consumer Products				
	Total (%)	Under 5 (%)	5-24 (%)	25-64 (%)	65 and Over (%)
Home Structures and Construction Materials	20	4	3	14	36
Miscellaneous	11	9	6	11	20

*Note: * "Total" includes incidents where the age was not recorded. Therefore, the aggregated age groups may not equal the total.*



D. Table 4 - Estimates of the Cost of Emergency Department-Treated Consumer Product Injuries

OCTOBER 1, 2022 – SEPTEMBER 30, 2023

(IN MILLIONS OF DOLLARS)

This table is derived by applying the Commission's Revised Injury Cost Model⁸ to the estimates of hospital ED treated injuries calculated in Table 2.⁹ Injury cost estimates are adjusted to 2014 price levels using the employment cost index and the per capita medical care consumption expenditure.

Product Group ¹⁰	Estimates of the Cost of Emergency Department-Treated Consumer Product Injuries				
	Total	Under 5	5-24	25-64	65 and Over
Child Nursery Equipment and Supplies	\$17,705	\$14,180	\$565	\$2,464	\$495
Toys	\$20,659	\$6,563	\$6,373	\$6,383	\$1,340
Sports and Recreational Activities and Equipment	\$724,501	\$23,010	\$289,744	\$336,474	\$75,274
Home Communication, Entertainment, and Hobby Equipment	\$41,305	\$1,913	\$5,052	\$20,904	\$13,437
Personal Use Items	\$122,758	\$11,249	\$14,642	\$54,062	\$42,805
Packaging and Containers for Household Products	\$74,384	\$3,641	\$6,453	\$44,295	\$19,996
Yard and Garden Equipment	\$62,768	\$722	\$3,396	\$34,422	\$24,227
Home Workshop Apparatus, Tools, and Attachments	\$48,165	\$1,319	\$5,652	\$31,520	\$9,675
Home and Family Maintenance Products	\$25,581	\$2,403	\$2,420	\$15,697	\$5,062
General Household Appliances	\$34,252	\$2,373	\$3,311	\$16,033	\$12,535
Space Heating, Cooling, and Ventilating Appliances	\$25,084	\$2,316	\$2,651	\$13,407	\$6,710
Housewares	\$71,226	\$5,657	\$11,778	\$36,235	\$17,555
Home Furnishings and Fixtures	\$800,482	\$70,721	\$48,673	\$293,195	\$387,893
Home Structures and Construction Materials	\$1,023,779	\$64,637	\$78,965	\$399,902	\$480,274
Miscellaneous	\$66,083	\$7,880	\$13,306	\$30,003	\$14,894

Note: * "Total" includes incidents where the age was not recorded. Therefore, the aggregated age groups may not equal the total.

⁸ The Revised 2018 Injury Cost Model on the CPSC's website can be found at the following location: [The Consumer Product Safety Commission's Revised Injury Cost Model 2018 | CPSC.gov](https://www.cpsc.gov/safety-commission-revised-injury-cost-model-2018)

⁹ Estimates are not comparable to estimates in previous reports because of changes in data and methodology.

¹⁰ Product Groups detailed in section E.

E. Product Group Definitions

The product groups identified in this section are a summary of a multiple of NEISS products and product codes. Listed in this section are the descriptions for each product within the product groups identified in the data tables.

Child Nursery Equipment and Supplies	
<i>Attached Highchair</i>	<i>Baby Baths or Bathinettes</i>
<i>Baby Bathtub Seats or Rings (Not Toys)</i>	<i>Baby Bottles or Nipples</i>
<i>Baby Bouncer Seats (Excl. Jumpers)</i>	<i>Baby Carriages</i>
<i>Baby Carriers (Bicycle-Mounted)</i>	<i>Baby Carriers or Slings (Backpacks)</i>
<i>Baby Carriers, Not Specified</i>	<i>Baby Changing Tables</i>
<i>Baby Exercisers</i>	<i>Baby Gates or Barriers</i>
<i>Baby Harnesses</i>	<i>Baby Mattresses or Pads</i>
<i>Baby Rattles</i>	<i>Baby Scales</i>
<i>Baby Slings and Wraps</i>	<i>Baby Strollers</i>
<i>Baby Walkers or Jumpers</i>	<i>Bassinets or Cradles</i>
<i>Bottle Warmers</i>	<i>Car Beds (For Infants)</i>
<i>Car Seats (For Infants or Children)</i>	<i>Crib Extender Rails or Youth Bed Rails</i>
<i>Crib Mobiles or Crib Gyms</i>	<i>Cribs, Nonportable</i>
<i>Cribs, Nonportable or Not Specified</i>	<i>Cribs, Not Specified</i>
<i>Diaper Fasteners</i>	<i>Diaper Pails</i>
<i>Diapers</i>	<i>Framed Baby Carriers (Carried on The Back)</i>
<i>High Chairs</i>	<i>Infant & Toddler Play Ctrs, Excl Jumpers, Bouncers & Exercisers</i>
<i>Night-Lights</i>	<i>Other Baby Carriers</i>
<i>Other Soft Baby Carriers</i>	<i>Pacifiers or Teething Rings</i>
<i>Playpens</i>	<i>Portable Baby Swings (For Home Use)</i>
<i>Portable Cribs</i>	<i>Potty Chairs or Training Seats</i>
<i>Shoelace Fasteners (For Infants)</i>	<i>Sterilizers (Home Use)</i>
<i>Youth Chairs</i>	
Toys	
<i>Balloons (Toy)</i>	<i>Balls, Other or Not Specified</i>
<i>Blocks, Stacking Toys or Pull Toys</i>	<i>Building Sets</i>
<i>Chemistry Sets or Science Kits</i>	<i>Children's Play Tents, Play Tunnels or Other Enclosures</i>
<i>Clacker Balls</i>	<i>Costumes or Masks</i>
<i>Crayons or Chalk</i>	<i>Doll Houses and Other Play Scenes</i>
<i>Dolls, Plush Toys, and Action Figures</i>	<i>Electric Toy Irons</i>
<i>Electric Toy Ovens</i>	<i>Electric Toy Racing Cars or Accessories</i>
<i>Electric Trains or Accessories</i>	<i>Engine Fuels for Models</i>
<i>Flying Discs and Boomerangs</i>	<i>Flying Toys (Excluding Kites, Rockets, and Gasoline or Other Fuel Powered Models)</i>
<i>Games or Game Parts (Excl Marbles & Computer Games)</i>	<i>Gasoline or Other Fuel-Powered Models</i>
<i>Inflatable Toys</i>	<i>Kites or Kite String</i>

<i>Marbles</i>	<i>Metal or Plastic Molding Sets</i>
<i>Molding Compounds</i>	<i>Nonwheeled Riding Toys, Unpowered</i>
<i>Other Toy Guns</i>	<i>Other Toy Weapons (Nonprojectile)</i>
<i>Other Toy Weapons (Projectile)</i>	<i>Pogo Sticks</i>
<i>Powered Riding Toys</i>	<i>Pretend Electronics, Tools, Housewares & Appliances</i>
<i>Riding Toys, Not Specified</i>	<i>Rocketry Sets</i>
<i>Scooters, Unpowered</i>	<i>Scooters, Unpowered</i>
<i>Slingshots or Sling-Propelled Toys</i>	<i>Squeeze or Squeaker Toys</i>
<i>Stilts</i>	<i>Toy Bows or Arrows</i>
<i>Toy Boxes or Chests</i>	<i>Toy Caps, Cap Toys or Cap Guns</i>
<i>Toy Guns With Projectiles</i>	<i>Toy Guns, Not Specified</i>
<i>Toy Make-Up Kits or Cosmetics</i>	<i>Toy Musical Instruments</i>
<i>Toy Sports Equipment</i>	<i>Toy Vehicles (Excluding Riding Toys)</i>
<i>Toy Weapons, Not Specified</i>	<i>Toys, Not Elsewhere Classified</i>
<i>Toys, Not Elsewhere Classified</i>	<i>Toys, Not Specified</i>
<i>Tricycles</i>	<i>Unpowered Models or Parts</i>
<i>Wagons (Children's)</i>	<i>Water Toys</i>
<i>Wheeled Riding Toys, Unpowered</i>	<i>Woodburning Kits</i>
Sports and Recreational Activities and Equipment	
<i>Above-Ground Swimming Pools (Excl Portable Pools)</i>	<i>All Terr. Veh. (More Than 4 Wheels; Exclusively Off-Rd.)</i>
<i>All Terrain Vehicles (# Of Wheels Unspecified/Off Road)</i>	<i>All Terrain Vehicles (Exclusively Off-Road); Three or More Wheels</i>
<i>All Terrain Vehicles (Four Wheels/Off Road Only)</i>	<i>All Terrain Vehicles (Three Wheels/Off-Road Only)</i>
<i>Amusement Attractions (Including Rides)</i>	<i>Archery (Activity, Apparel or Equipment)</i>
<i>Badminton (Activity, Apparel or Equipment)</i>	<i>Ball Sports (Activity, Apparel or Equipment), N.S.</i>
<i>Baseball (Activity, Apparel or Equip.), Not Specified</i>	<i>Baseball (Activity, Apparel or Equipment; Excl Softball)</i>
<i>Basketball (Activity, Apparel or Equipment), Not Specified</i>	<i>Basketball, Activity and Related Equipment</i>
<i>Batons</i>	<i>Bb's or Pellets</i>
<i>Beach Chairs or Folding Chairs</i>	<i>Bicycles and Accessories, (Excl. Mountain or All-Terrain)</i>
<i>Bicycles or Accessories</i>	<i>Billiards or Pool (Activity, Apparel or Equipment)</i>
<i>Bowling (Activity, Apparel or Equipment)</i>	<i>Boxing (Activity, Apparel or Equipment)</i>
<i>Built-In Swimming Pools</i>	<i>Camping Equipment</i>
<i>Camping Equipment (Excl. Trailers, Lighting Equipment,</i>	<i>Charcoal</i>
<i>Charcoal Lighters, Not Specified</i>	<i>Charcoal or Wood-Burning Grills</i>
<i>Cheerleading (Activity, Apparel or Equipment)</i>	<i>Croquet (Activity, Apparel or Equipment)</i>
<i>Curling (Activity, Apparel or Equipment)</i>	<i>Dancing (Activity, Apparel or Equipment)</i>
<i>Darts (Activity, Apparel or Equipment)</i>	<i>Darts, For Indoor Use (Activity or Equipment)</i>
<i>Darts, Lawn (Activity or Equipment)</i>	<i>Darts, Not Otherwise Specified (N.O.S.)</i>
<i>Diving or Diving Boards</i>	<i>Dune Buggies/Beach Buggies</i>
<i>Electric Charcoal Lighters</i>	<i>Electric Grills</i>

<i>Exercise (Activity or Apparel, W/O Equip)</i>	<i>Exercise Equipment</i>
<i>Fencing (Activity, Apparel or Equipment)</i>	<i>Field Hockey (Activity, Apparel or Equipment)</i>
<i>Fishing (Activity, Apparel or Equipment)</i>	<i>Flotation Toys (Excl Official Life-Saving Devices)</i>
<i>Football (Activity, Apparel or Equipment)</i>	<i>Football (Activity, Apparel or Equipment), Not Specified</i>
<i>Fuel Charcoal Lighters</i>	<i>Gas or LP Grills or Stoves (For Outdoor Use)</i>
<i>Gas, Air or Spring-Operated Guns</i>	<i>Go-Carts</i>
<i>Golf (Activity, Apparel or Equipment)</i>	<i>Golf Carts</i>
<i>Grills, Not Specified</i>	<i>Gymnastics (Activity, Apparel or Equipment), Not Specified</i>
<i>Gymnastics and Associated Equipment</i>	<i>Hammocks</i>
<i>Handball (Activity, Apparel or Equipment)</i>	<i>Hockey (Activity, Apparel or Equipment), Not Specified</i>
<i>Horseback Riding (Activity, Apparel or Equipment)</i>	<i>Horseshoes (Activity, Apparel or Equipment)</i>
<i>Hoverboards and Powered Skateboards</i>	<i>Ice Hockey (Activity, Apparel or Equipment)</i>
<i>Ice or Snow Boating (Activity, Apparel or Equipment)</i>	<i>Ice Skating (Activity, Apparel or Equipment)</i>
<i>Informal Baseball (Activity, Apparel or Equipment)</i>	<i>Informal Basketball (Activity, Apparel or Equipment)</i>
<i>Informal Football (Activity, Apparel or Equipment)</i>	<i>Informal Gymnastics (Activity, Apparel or Equipment)</i>
<i>Informal Soccer (Activity, Apparel or Equipment)</i>	<i>Informal Volleyball (Activity, Apparel or Equipment)</i>
<i>In-Line Skating (Activity, Apparel or Equipment)</i>	<i>Kerosene Grills or Stoves</i>
<i>Lacrosse (Activity, Apparel or Equipment)</i>	<i>Martial Arts (Activity, Apparel or Equipment)</i>
<i>Minibikes or Trail Bikes</i>	<i>Minibikes, Powered</i>
<i>Monkey Bars or Other Playground Climbing Apparatus</i>	<i>Mopeds or Power-Assisted Cycles</i>
<i>Motorized Vehicles, Nec (3 or More Wheels)</i>	<i>Mountain Climbing (Activity, Apparel or Equipment)</i>
<i>Mountain or All-Terrain Bicycles and Accessories</i>	<i>Organized Baseball (Activity, Apparel or Equipment)</i>
<i>Organized Basketball (Activity, Apparel, or Equipment)</i>	<i>Organized Football (Activity, Apparel or Equipment)</i>
<i>Organized Gymnastics (Activity, Apparel or Equipment)</i>	<i>Organized Soccer (Activity, Apparel or Equipment)</i>
<i>Organized Volleyball (Activity, Apparel or Equipment)</i>	<i>Other Ball Sports (Activity, Apparel or Equipment)</i>
<i>Other Grills or Stoves</i>	<i>Other Playground Equipment</i>
<i>Pedal-Powered Adult Vehicles (Three or More Wheels)</i>	<i>Personal Fitness/Activity Trackers</i>
<i>Personal Watercraft, Powered</i>	<i>Playground Equipment, Not Specified</i>
<i>Portable Food or Beverage Coolers</i>	<i>Portable Swimming Pools</i>
<i>Roller Hockey (Activity, Apparel or Equipment)</i>	<i>Roller Skating (Activity, Apparel or Equipment)</i>
<i>Rugby (Activity, Apparel or Equipment)</i>	<i>Scooters / Skateboards, Powered</i>
<i>Scooters, Powered</i>	<i>Scooters, Unspecified</i>
<i>Scuba Diving (Activity, Apparel or Equipment)</i>	<i>See-Saws or Teeter Boards</i>
<i>Shuffleboard (Activity, Apparel or Equipment)</i>	<i>Skateboards, Unpowered or Unspecified</i>

<i>Skating (Activity, Apparel or Equipment) Not Specified</i>	<i>Skeet Shooting (Activity, Apparel or Equipment)</i>
<i>Sleds</i>	<i>Sleeping Bags</i>
<i>Slides or Sliding Boards</i>	<i>Snow Disks</i>
<i>Snow Skiing (Activity, Apparel or Equipment)</i>	<i>Snow Tubing (Activity, Apparel or Equipment)</i>
<i>Snowboarding (Activity, Apparel or Equipment)</i>	<i>Snowmobiles (Activity, Apparel or Equipment)</i>
<i>Soccer (Activity, Apparel or Equipment)</i>	<i>Soccer (Activity, Apparel or Equipment), Not Specified</i>
<i>Softball (Activity, Apparel or Equipment)</i>	<i>Sports and Recreational Activity, N.E.C.</i>
<i>Squash, Racquet Ball or Paddle Ball</i>	<i>Street Hockey (Activity, Apparel or Equipment)</i>
<i>Surfing (Activity, Apparel or Equipment)</i>	<i>Swimming (Activity, Apparel or Equipment)</i>
<i>Swimming Pool Equipment</i>	<i>Swimming Pool Slides</i>
<i>Swimming Pools, Not Specified</i>	<i>Swings or Swing Sets</i>
<i>Table Tennis (Activity, Apparel or Equipment)</i>	<i>Tennis (Activity, Apparel or Equipment)</i>
<i>Tetherball (Activity, Apparel or Equipment)</i>	<i>Toboggans</i>
<i>Track & Field (Act., Apparel, Eqp.; Ex. Jog, Run Fit)</i>	<i>Track and Field (Activity, Apparel or Equipment)</i>
<i>Trampolines</i>	<i>Treehouses or Playhouses</i>
<i>Two-Wheeled, Powered, Off-Road Vehicles</i>	<i>Unicycles</i>
<i>Utility Vehicles</i>	<i>Volleyball (Activity, Apparel or Equipment)</i>
<i>Volleyball (Activity, Apparel or Equipment), Not Specified</i>	<i>Wading Pools</i>
<i>Water Polo (Activity, Apparel or Equipment)</i>	<i>Water Skiing (Activity, Apparel or Equipment)</i>
<i>Water Slides</i>	<i>Water Slides, Backyard/Home (Not Swimming Pool Slides)</i>
<i>Water Slides, Not Elsewhere Classified</i>	<i>Water Slides, Public (Stationary Amusement Rides)</i>
<i>Water Tubing (Activity, Apparel or Equipment)</i>	<i>Weight Lifting (Activity, Apparel or Equipment)</i>
<i>Wrestling (Activity, Apparel or Equipment)</i>	
Home Communication, Entertainment, and Hobby Equipment	
<i>Amateur Two-Way Radios</i>	<i>Antennas, Not Specified</i>
<i>Aquariums or Accessories</i>	<i>Art or Ceramics Supplies and Equipment (Excl. Paintbrushes)</i>
<i>Art Supplies or Equipment</i>	<i>Ceramics Supplies or Equipment</i>
<i>Coaxial Cable</i>	<i>Compact Discs (Cd's) and DVD's</i>
<i>Computers (Equipment and Electronic Games)</i>	<i>Glass Bottle Cutting Equipment</i>
<i>Glass Tubing or Test Tubes</i>	<i>Houseplants</i>
<i>Indoor Antennas (Separate)</i>	<i>Lapidary Equipment</i>
<i>Laser Pointers</i>	<i>Music Boxes or Chimes</i>
<i>Musical Instruments, Not Elect. or Battery or Not Spec.</i>	<i>Musical Instruments</i>
<i>Musical Instruments, Electric or Battery Operated</i>	<i>Other Sound Recording, Reproducing or Receiving Equip.</i>
<i>Outdoor Antennas (Separate)</i>	<i>Pet Supplies</i>
<i>Phonograph Records</i>	<i>Photographic Chemicals</i>
<i>Photographic Equipment</i>	<i>Projectors</i>
<i>Radios (Self-Contained Units)</i>	<i>Radios, Not Specified</i>
<i>Record Players (Self-Contained Units)</i>	<i>Recording Tapes</i>

<i>Remote Control, Universal or Ns (Excl. Remotes for Toys)</i>	<i>School Laboratory Chemicals</i>
<i>Sound Recording or Receiving Equipment, Not Specified</i>	<i>Stereo or Hi-Fi Components or Accessories</i>
<i>Tape Recorders or Players (Self-Contained Units)</i>	<i>Telephones or Telephone Accessories</i>
<i>Telescopes, Binoculars, Microscopes, Magnifying Glasses</i>	<i>Television Tables or Stands</i>
<i>Televisions</i>	<i>Video Players and Recorders (Excl. Cameras)</i>
Personal Use Items	
<i>< 5 Poisonings - No Other Code</i>	<i>Antihistamines</i>
<i>Aspirin or Aspirin Compounds</i>	<i>Aspirin Substitutes</i>
<i>Bath or Facial Cleansing Brushes</i>	<i>Book Bags or Back Carriers (Exc. Baby Carr. Luggage, Cam</i>
<i>Cigarette or Pipe Lighters</i>	<i>Clothes brushes</i>
<i>Clothing Accessories</i>	<i>Clothing, Not Specified</i>
<i>Coins</i>	<i>Combs or Hairbrushes, Unpowered</i>
<i>Combs, Not Specified</i>	<i>Cosmetics, Incl Facial & Eye Make-Up, Deodorants, etc.</i>
<i>Day Wear</i>	<i>Desk Supplies</i>
<i>Drugs or Medications, Not Specified</i>	<i>Ear Protection Devices</i>
<i>Electric Combs</i>	<i>Electric Multi-Purpose Lighters</i>
<i>Electric Razors or Shavers</i>	<i>Electric Shoe Polishers</i>
<i>Eye Protection Devices</i>	<i>Footwear</i>
<i>Fuel Multi-Purpose Lighters, Incl. Micro-Torches</i>	<i>Hair Clippers and Trimmers</i>
<i>Hair Curlers, Curling Irons, Clips & Hairpins</i>	<i>Hair Dryers</i>
<i>Hair Grooming Equipment or Accessories, N.S.</i>	<i>Heat or Infrared Lamps</i>
<i>Heating or Cooling Comfort Packs (Nonelectric)</i>	<i>Jewelry</i>
<i>Keys, Key Rings or Key Chains</i>	<i>Lighted Make-Up Mirrors</i>
<i>Lighter Fluids</i>	<i>Lighters, Not Specified</i>
<i>Liniments or Rubbing Compounds</i>	<i>Liquid Drugs</i>
<i>Luggage</i>	<i>Lunch Boxes or Pails</i>
<i>Manicure, Pedicure, and Make-Up Brushes and Tools (Excluding Cosmetics)</i>	<i>Massage Devices or Vibrators</i>
<i>Matchbooks</i>	<i>Matches, Not Specified</i>
<i>Mouthwashes or Mouth Rinses (Excl Peroxide)</i>	<i>Multi-Purpose Lighters, Not Specified</i>
<i>Nightwear</i>	<i>Nonelectric Razors or Shavers</i>
<i>Oral Hygiene Products</i>	<i>Other Clothing</i>
<i>Other Drugs or Medications</i>	<i>Outerwear</i>
<i>Paper Cutters</i>	<i>Paper Money or Coins</i>
<i>Pens and Pencils</i>	<i>Personal Protection Devices</i>
<i>Pesticides</i>	<i>Pins and Needles</i>
<i>Preparations Containing Iron Salts</i>	<i>Razors or Shavers, Not Specified</i>
<i>Respiratory Protection Devices</i>	<i>Safety Pins</i>
<i>Saunas</i>	<i>Sewing Basket Articles</i>
<i>Shoe Polishes</i>	<i>Support Garments and Stockings, Medical</i>
<i>Tablet or Capsule Drugs</i>	<i>Tie Racks, Belt Racks or Other Clothes Hangers</i>

<i>Umbrellas</i>	<i>Veterinary Medicines</i>
<i>Watches</i>	<i>Wigs, Falls or Hairpieces</i>
<i>Wooden Matches</i>	
Packaging and Containers for Household Products	
<i>Aerosol Containers</i>	<i>Aluminum Foil Wrapping Products</i>
<i>Bags (Excluding Paper or Plastic Bags)</i>	<i>Bags, Not Elsewhere Classified</i>
<i>Bottles or Jars, Not Specified</i>	<i>Canning Jars</i>
<i>Cardboard Products</i>	<i>Containers With Key Openers</i>
<i>Containers, Not Specified</i>	<i>Fuel Storage Tanks</i>
<i>Gasoline Cans</i>	<i>Glass Alcoholic Beverage Bottles</i>
<i>Glass Bottles or Jars, Not Specified</i>	<i>Glass Soft Drink Bottles</i>
<i>Metal Containers</i>	<i>Nonglass Bottles or Jars</i>
<i>Other Containers</i>	<i>Other Glass Bottles or Jars</i>
<i>Paper Bags</i>	<i>Paper Products</i>
<i>Plastic Bags</i>	<i>Plastic Containers (Rigid or Semi-Rigid)</i>
<i>Plastic Products, Not Specified</i>	<i>Plastic Wrapping Products</i>
<i>Pressurized Containers (Nonaerosol)</i>	<i>Propane, LP or Butane Gas Tanks or Fittings</i>
<i>Self-Contained Openers</i>	<i>Vacuum Containers</i>
<i>Wooden Containers</i>	
Yard and Garden Equipment	
<i>Animal Traps</i>	<i>Brushcutters, Powered</i>
<i>Chain Saws</i>	<i>Cisterns, Cesspools or Septic Tanks</i>
<i>Decorative Water Features, Incl Man-Made Ponds & Fountains</i>	<i>Decorative Yard Equipment</i>
<i>Decorative Yard Equipment, Excl Water Features</i>	<i>Garden Hoses, Nozzles or Sprinklers</i>
<i>Garden Sprayers</i>	<i>Garden Tractors</i>
<i>Grass and Leaf Catchers (Attachments for Lawn Mowers)</i>	<i>Greenhouse or Gardening Supplies</i>
<i>Hatchets or Axes</i>	<i>Insect Traps, Powered</i>
<i>Lawn Mowers, Not Specified</i>	<i>Lawn Trimmers or Edgers, Powered (Excl. Brushcutters)</i>
<i>Lawn Vacuums</i>	<i>Leaf Blowers</i>
<i>Log Splitters</i>	<i>Manual Hedge Trimmers</i>
<i>Manual Lawn Trimmers or Edgers</i>	<i>Manual Pruning or Trimming Equipment, Not Specified</i>
<i>Manual Push Mowers (Unpowered)</i>	<i>Manual Snow or Ice Removal Tools</i>
<i>Other Manual Pruning or Trimming Equipment</i>	<i>Other Power Garden Tools</i>
<i>Other Power Pruning or Trimming Equipment</i>	<i>Other Unpowered Garden Tools</i>
<i>Outdoor Electric Lighting Equipment</i>	<i>Plant Foods or Fertilizers for Potted Plants</i>
<i>Power Hedge Trimmers</i>	<i>Power Lawn Mowers, Not Specified</i>
<i>Power Lawn Trimmers or Edgers</i>	<i>Power Leaf Mulchers and Grinders</i>
<i>Power Pruning or Trimming Equipment, Not Specified</i>	<i>Power Tillers or Cultivators</i>
<i>Pruning or Trimming Equipment, Not Specified</i>	<i>Pumps, Not Elsewhere Classified</i>
<i>Reel Power Lawn Mowers</i>	<i>Riding Power Lawn Mowers</i>
<i>Rotary Power Lawn Mowers</i>	<i>Seed and Fertilizer Spreaders</i>

<i>Snow Plows</i>	<i>Snow Throwers or Blowers (Attachments for Lawn Mowers)</i>
<i>Snow Throwers or Blowers (Self-Contained)</i>	<i>Snow Throwers or Blowers, Not Specified</i>
<i>Snow Throwers, Blowers</i>	<i>Tractors, Other or Not Specified, N.O.S.</i>
<i>Wheelbarrows or Lawn Carts</i>	
Home Workshop Apparatus, Tools, and Attachments	
<i>Air Compressors (Separate)</i>	<i>Antifreeze</i>
<i>Automotive Chemicals</i>	<i>Automotive Tools or Accessories</i>
<i>Automotive Waxes, Polishes or Cleaners</i>	<i>Awls, Chisels or Planes</i>
<i>Band Saws</i>	<i>Batteries</i>
<i>Batteries, Motor Vehicle</i>	<i>Batteries, Non-Motor Vehicle</i>
<i>Batteries, Not Specified</i>	<i>Battery Chargers/Adaptors</i>
<i>Bench or Table Saws</i>	<i>Chains, Not Elsewhere Classified</i>
<i>Cutting Torches</i>	<i>Drain Snakes</i>
<i>Drills, Not Specified</i>	<i>Electric Motors (Separate)</i>
<i>Electric Soldering Equipment</i>	<i>Electric Welding Equipment</i>
<i>Electrical Testing Equipment</i>	<i>Fuel-Burning Welding Equipment</i>
<i>Glue Guns</i>	<i>Hacksaws</i>
<i>Hammers</i>	<i>Hand Saws</i>
<i>Heavy-Duty Workshop Staplers</i>	<i>Hoists, Lifts, Jacks or Jack Stands</i>
<i>Internal Combustion Engines (Nonvehicular)</i>	<i>Jigsaws</i>
<i>Levels</i>	<i>Manual Drills</i>
<i>Manual Filing or Sanding Tools</i>	<i>Manual Workshop Grinders, Buffers or Polishers</i>
<i>Nail Guns or Stud Drivers</i>	<i>Nonelectric Soldering Equipment</i>
<i>Other Manual Workshop Tools</i>	<i>Other Portable or Stationary Power Tools</i>
<i>Other Power Saws</i>	<i>Paint Sprayers</i>
<i>Paintbrushes or Rollers, Manual</i>	<i>Painting Equip., Powered (Sprayers, Rollers, Brushes)</i>
<i>Pliers, Wire Cutters or Wrenches</i>	<i>Portable Circular Power Saws</i>
<i>Portable Power Drills and Accessories</i>	<i>Portable Power Workshop Grinders, Buffer or Polishers</i>
<i>Power Drills or Accessories, Not Specified</i>	<i>Power Hack Saws</i>
<i>Power Jointers</i>	<i>Power Lathes</i>
<i>Power Routers</i>	<i>Power Sanders</i>
<i>Power Saws, Not Specified</i>	<i>Power Saws, Other or Not Specified</i>
<i>Power Shapers</i>	<i>Power Workshop Grinders, Buffers or Polishers</i>
<i>Power Workshop Grinders, Buffers, Polishers, Not Specified</i>	<i>Radial Arm Saws</i>
<i>Reamers</i>	<i>Rope or String</i>
<i>Sabre Saws</i>	<i>Saws, Not Specified</i>
<i>Screwdrivers</i>	<i>Soldering Equipment, Not Specified</i>
<i>Sprayers, Not Elsewhere Classified</i>	<i>Stationary Power Drills and Accessories</i>
<i>Stationary Power Workshop Grinders, Buffers or Polishers</i>	<i>Straps, Non-Stretch, Other, or Not Specified</i>
<i>Stretch Cords or Stretch Straps</i>	<i>Toolboxes or Tool Kits</i>
<i>Tools, Not Specified</i>	<i>Trouble Lights or Extension Work Lights</i>

<i>Vises or Workshop Clamps</i>	<i>Wallpaper Steamers</i>
<i>Welding Equipment</i>	<i>Welding Equipment, Not Specified</i>
<i>Windshield Wiper Fluids</i>	<i>Wire, Not Specified</i>
<i>Workshop Compounds or Chemicals</i>	<i>Workshop Furnishings</i>
<i>Workshop Grinders, Buffers or Polishers, N.S.</i>	
Home and Family Maintenance Products	
<i>Abrasive Cleaners</i>	<i>Acids</i>
<i>Adhesives</i>	<i>Ammonia, Household</i>
<i>Antifreeze</i>	<i>Automotive Chemicals</i>
<i>Automotive Waxes, Polishes or Cleaners</i>	<i>Batteries</i>
<i>Batteries, Motor Vehicle</i>	<i>Batteries, Non-Motor Vehicle</i>
<i>Batteries, Not Specified</i>	<i>Battery Chargers/Adaptors</i>
<i>Bleaches (Noncosmetic)</i>	<i>Buckets or Pails</i>
<i>Caulking or Spackling Compounds</i>	<i>Caustics</i>
<i>Chains, Not Elsewhere Classified</i>	<i>Chemicals, Not Elsewhere Classified</i>
<i>Cutting Torches</i>	<i>Detergents, Not Specified</i>
<i>Dishwasher Detergents</i>	<i>Dishwashing Liquid</i>
<i>Drain Cleaners</i>	<i>Drain Snakes</i>
<i>Dry Ice</i>	<i>Dyes (Noncosmetic)</i>
<i>Fabric Treatment Products</i>	<i>Floor Waxes</i>
<i>Furniture Polishes or Waxes</i>	<i>General Purpose Household Cleaners</i>
<i>Hacksaws</i>	<i>Jigsaws</i>
<i>Laundry Soaps or Detergents</i>	<i>Levels</i>
<i>Liquid Room Deodorizers or Fresheners</i>	<i>Lubricants</i>
<i>Lye</i>	<i>Manual Cleaning Equipment</i>
<i>Manual Cleaning Equipment (Excl. Buckets and Pails)</i>	<i>Manual Workshop Grinders, Buffers or Polishers</i>
<i>Metal Polishes, Tarnish Removers or Preventatives</i>	<i>Methyl Alcohol (Solvent)</i>
<i>Nail Guns or Stud Drivers</i>	<i>Other Manual Workshop Tools</i>
<i>Other Polishes</i>	<i>Oven Cleaners</i>
<i>Paint or Varnish Removers, Paintbrush Cleaners</i>	<i>Paint Thinners or Varnish Thinners</i>
<i>Paintbrushes or Rollers, Manual</i>	<i>Painting Equip., Powered (Sprayers, Rollers, Brushes)</i>
<i>Paints, Varnishes or Shellacs</i>	<i>Pine Oil Cleaning and Disinfectant Preparations</i>
<i>Polishes, Not Specified</i>	<i>Power Saws, Not Specified</i>
<i>Power Saws, Other or Not Specified</i>	<i>Power Workshop Grinders, Buffers or Polishers</i>
<i>Power Workshop Grinders, Buffers, Polishers, Not Specified</i>	<i>Room Deodorizers or Fresheners, Not Specified</i>
<i>Rust Preventatives</i>	<i>Rust Removers</i>
<i>Soaps (Excl. Laundry Soaps or Detergents)</i>	<i>Solid Room Deodorizers or Fresheners</i>
<i>Solvents, Other or Not Specified</i>	<i>Spot Removers or Cleaning Fluids</i>
<i>Sprayers, Not Elsewhere Classified</i>	<i>Stationary Power Workshop Grinders, Buffers or Polishers</i>
<i>Straps, Non-Stretch, Other, or Not Specified</i>	<i>Stretch Cords or Stretch Straps</i>
<i>Swimming Pool Chemicals</i>	<i>Tapes (With Adhesive Surfaces)</i>
<i>Toilet Bowl Products</i>	<i>Tools, Not Specified</i>

<i>Trouble Lights or Extension Work Lights</i>	<i>Turpentine</i>
<i>Vises or Workshop Clamps</i>	<i>Wallpaper Cleaners (Chemical)</i>
<i>Wallpaper Steamers</i>	<i>Water Softeners or Conditioners (Appliances)</i>
<i>Welding Equipment</i>	<i>Windshield Wiper Fluids</i>
<i>Workshop Grinders, Buffers or Polishers, N.S.</i>	
General Household Appliances	
<i>Air Purifiers</i>	<i>Appliances, Other and Not Specified</i>
<i>Clothes Dryers, Not Specified</i>	<i>Clothes Steamers</i>
<i>Clothing Irons</i>	<i>Counter-Mounted Cooking Surfaces, Not Specified</i>
<i>Dehumidifiers</i>	<i>Dishwashers</i>
<i>Dry Heat Irons</i>	<i>Electric Brooms</i>
<i>Electric Clothes Dryers Without Washers</i>	<i>Electric Counter-Mounted Cooking Surface</i>
<i>Electric Ovens</i>	<i>Electric Ranges (With Ovens)</i>
<i>Electric Ranges or Ovens (Excl Counter-Top Ovens)</i>	<i>Floor Buffers or Waxers</i>
<i>Freezers (Separate from Refrigerators)</i>	<i>Gas Clothes Dryers Without Washers</i>
<i>Gas Counter-Mounted Cooking Surfaces</i>	<i>Gas Ovens</i>
<i>Gas Ranges (With Ovens)</i>	<i>Gas Ranges or Ovens</i>
<i>Humidifiers</i>	<i>Irons, Not Specified</i>
<i>Mangle Irons</i>	<i>Microwave Ovens</i>
<i>Other Ovens</i>	<i>Other Ranges (With Ovens)</i>
<i>Other Ranges or Ovens</i>	<i>Ovens, Not Specified</i>
<i>Range or Oven Accessories</i>	<i>Ranges or Ovens, Not Specified</i>
<i>Ranges, Not Specified</i>	<i>Refrigerators</i>
<i>Rug Shampooers</i>	<i>Sewing Machines or Accessories</i>
<i>Steam Irons</i>	<i>Trash Compactors</i>
<i>Vacuum Cleaners</i>	<i>Vaporizers</i>
<i>Washer Dryer Combinations (Within One Frame)</i>	<i>Washing Machines with Unheated Spin Dryers</i>
<i>Washing Machines Without Wringers or Other Dryers</i>	<i>Washing Machines, Not Specified</i>
<i>Washing Machines, Other or Not Specified</i>	<i>Wringer Washing Machines</i>
Space Heating, Cooling, and Ventilating Appliances	
<i>Air Conditioners</i>	<i>Alcohol-Fueled Heaters</i>
<i>Boilers</i>	<i>Brick, Stone or Masonry Chimneys</i>
<i>Built-In Fireplaces</i>	<i>Catalytic Heaters</i>
<i>Chimneys, Not Specified</i>	<i>Coal Furnaces</i>
<i>Coal or Wood-Burning Stoves</i>	<i>Ductwork For Heating or Cooling Systems</i>
<i>Electric Baseboard Heaters</i>	<i>Electric Fireplaces, Factory Built</i>
<i>Electric Furnaces</i>	<i>Electric Heaters, Not Elsewhere Classified</i>
<i>Electric Water Heaters</i>	<i>Fans</i>
<i>Filters</i>	<i>Fireplaces, Not Specified</i>
<i>Floor Furnaces (Built into Floor)</i>	<i>Furnaces, Other or Not Specified</i>
<i>Gas Furnaces</i>	<i>Gas or LP Floor or Wall Heaters</i>
<i>Gas or LP Heaters, Not Elsewhere Classified</i>	<i>Gas or LP Heaters, Other or Not Specified</i>
<i>Gas Water Heaters</i>	<i>Gas-Burning Fireplaces, Factory Built</i>
<i>Gasoline Heaters (Noncatalytic)</i>	<i>Heat Pumps</i>
<i>Heat Tapes, Electric</i>	<i>Heaters or Heating Systems, Not Specified</i>

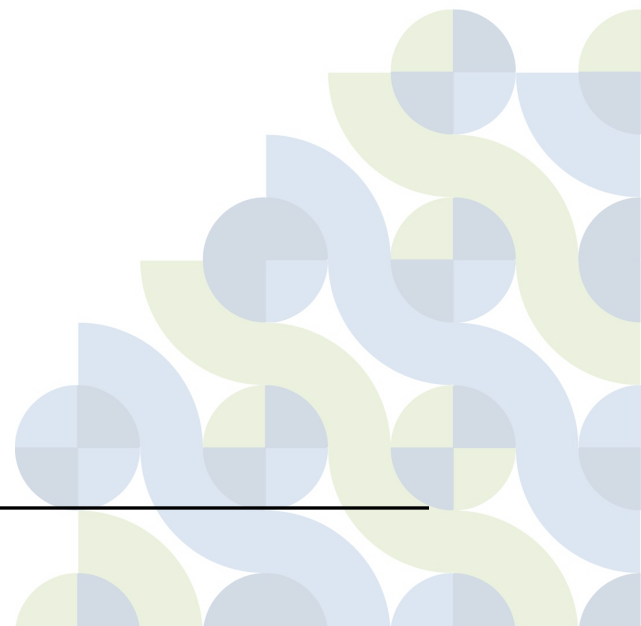
<i>Heaters or Heating Systems, Other or Not Specified</i>	<i>Kerosene or Oil Heaters</i>
<i>Metal Chimneys, Stovepipes or Flues</i>	<i>Oil Furnaces</i>
<i>Other Heaters or Heating Systems</i>	<i>Other Water Heaters</i>
<i>Outdoor Patio Heaters or Firepits (Manufactured)</i>	<i>Pipes (Excluding Smoking Pipes)</i>
<i>Portable Electric Heaters</i>	<i>Portable Gas or LP Heaters</i>
<i>Radiators (Excluding Vehicle Radiators)</i>	<i>Thermostats (For Heating or Cooling Systems)</i>
<i>Water Heaters, Not Specified</i>	<i>Wood Burning Fireplaces, Factory Built</i>
Housewares	
<i>Ashtrays</i>	<i>Ashtrays, Electric or Battery Operated</i>
<i>Ashtrays, Not Elec. or Battery or Not Specified</i>	<i>Bottle Openers</i>
<i>Bread Making Machines</i>	<i>Can Openers, Not Specified</i>
<i>Candles, Candlesticks and Other Candle Holders</i>	<i>Chafing Dishes or Fondue Pots</i>
<i>Clothespins</i>	<i>Coffee Makers or Teapots, Not Specified</i>
<i>Cookware, Not Specified</i>	<i>Corkscrews</i>
<i>Drinking Glasses</i>	<i>Drinking Glasses, Not Specified</i>
<i>Drinking Straws</i>	<i>Electric Blenders</i>
<i>Electric Can Openers</i>	<i>Electric Coffee Makers or Teapots</i>
<i>Electric Corn Poppers</i>	<i>Electric Counter-Top Ovens, Broilers or Toaster Ovens</i>
<i>Electric Deep Fryers</i>	<i>Electric Frying Pans and Skillets</i>
<i>Electric Griddles</i>	<i>Electric Immersion Water Heaters</i>
<i>Electric Kettles or Hot Pots</i>	<i>Electric Knife Sharpeners</i>
<i>Electric Mixers</i>	<i>Electric or Battery-Powered Knives</i>
<i>Electric Scissors</i>	<i>Electric Timers</i>
<i>Electric Waffle Irons</i>	<i>Faucet Water Heaters</i>
<i>Flashlights or Battery-Powered Lanterns</i>	<i>Flatware (Excl. Knives)</i>
<i>Food Grinders</i>	<i>Food Processors</i>
<i>Food Skewers</i>	<i>Food Warmers</i>
<i>Fuels For Chafing Dishes or Fondue Pots</i>	<i>Garbage Disposers</i>
<i>Glass Drinking Glasses</i>	<i>Hot Plates</i>
<i>Ice Cream Makers</i>	<i>Ice Crushers</i>
<i>Ice Makers (Separate from Refrigerators)</i>	<i>Ice Picks</i>
<i>Ironing Boards or Covers</i>	<i>Juicers</i>
<i>Kitchen Gadgets, Not Elsewhere Classified</i>	<i>Kitchen Mixing Bowls, Canisters or Similar Containers</i>
<i>Knife Sharpeners, Not Specified</i>	<i>Knives With Replaceable Blades</i>
<i>Knives, Not Elsewhere Classified</i>	<i>Laundry Baskets</i>
<i>Manual Scissors</i>	<i>Metal Cookware (Nonelectric)</i>
<i>Nonelectric Can Openers</i>	<i>Nonelectric Knife Sharpeners</i>
<i>Nonglass Drinking Glasses</i>	<i>Nonmetal Cookware (Nonelectric)</i>
<i>Other Cookware</i>	<i>Potholders, Oven Mitts or Hot Pads</i>
<i>Pressure Cookers or Canners</i>	<i>Rotisseries</i>
<i>Scissors, Not Specified</i>	<i>Slicers and Choppers</i>
<i>Slow Cookers</i>	<i>Tableware and Accessories</i>
<i>Thermometers (Excluding Medical Thermometers)</i>	<i>Toasters</i>
<i>Toothpicks or Hors D'Oeuvres Picks</i>	<i>Trays (Excl. Food Warmers)</i>

<i>Unpowered Coffee Makers or Teapots</i>	<i>Waste Containers, Trash Baskets or Refuse Bins</i>
Home Furnishings and Fixtures	
<i>Artificial Christmas Trees</i>	<i>Artificial Flowers or Plants</i>
<i>Bars and Bar Accessories, Not Elsewhere Classified</i>	<i>Barstools or Kitchen Stools</i>
<i>Bathtub or Shower Enclosures, Not Specified</i>	<i>Bathtubs or Showers</i>
<i>Bed Rails</i>	<i>Bed Rails, Adult</i>
<i>Bedding, Not Specified</i>	<i>Beds or Bedframes, Other or Not Specified</i>
<i>Beds, Not Specified</i>	<i>Bedspreads, Throws or Comforters</i>
<i>Bedsprings or Bedframes</i>	<i>Bedsprings or Bedframes, (Excl. Bunk Beds and Adult Bed Rails)</i>
<i>Blankets, Not Specified</i>	<i>Bunk Beds</i>
<i>Butane or LP Gas Meters</i>	<i>Cabinets, Racks, Room Dividers and Shelves, Nec</i>
<i>Chairs, Not Specified</i>	<i>Chairs, Other or Not Specified</i>
<i>Christmas Decorations (Nonelectric)</i>	<i>Christmas Tree Lights</i>
<i>Christmas Tree Stands or Supports</i>	<i>Clocks</i>
<i>Clocks, Electric or Battery Operated</i>	<i>Clocks, Not Elec. or Battery or Not Specified</i>
<i>Convertible Beds, Hideaway Beds or Sofa Beds</i>	<i>Cords, Electrical, Other or Not Specified</i>
<i>Cots</i>	<i>Desks, Chests, Bureaus or Buffets</i>
<i>Doorstops</i>	<i>Draperies, Curtains, Shower Curtains(Fabric or Plastic)</i>
<i>Drapery or Curtain Rods, Hooks or Rings</i>	<i>Electric Blankets or Sheets</i>
<i>Electric Chandeliers or Other Attached Light Fixtures</i>	<i>Electric Christmas Decorations (Excl. Tree Lights)</i>
<i>Electric Heating Pads</i>	<i>Electric Lighting Equipment, Not Specified</i>
<i>Electric Outlets or Receptacles</i>	<i>Electric Table Lamps, Floor Lamps or Desk Lamps</i>
<i>Electric Wire or Wiring Systems (Excl Panelboards Recept)</i>	<i>Extension Cords</i>
<i>Extension Ladders</i>	<i>Extension or Straight Ladders</i>
<i>Fabrics (Not Part of Finished Item)</i>	<i>Faucets or Spigots</i>
<i>Fireplace Equipment</i>	<i>Floor Lamps or Table Lamps, Electric (Excl Halogen)</i>
<i>Floor Lamps or Table Lamps, Halogen</i>	<i>Footlockers</i>
<i>Footstools, Ottomans or Hassocks</i>	<i>Furniture, Not Specified</i>
<i>Futons</i>	<i>Hot Tubs or Home Spas</i>
<i>Inflatable Furniture</i>	<i>Knickknacks, Statues, Vases or Urns</i>
<i>Ladders, Not Specified</i>	<i>Ladders, Other or Not Specified</i>
<i>Laundry Hampers</i>	<i>Light Bulbs</i>
<i>Lighting Equipment, Not Specified</i>	<i>Magazine Racks or Book Ends</i>
<i>Mattresses, Not Specified</i>	<i>Mirrors or Mirror Glass</i>
<i>Nonbaby Mattresses</i>	<i>Nonelectric Blankets</i>
<i>Nonglass Bathtub or Shower Enclosures</i>	<i>Nonupholstered Recliner Chairs</i>
<i>Nonupholstered Rocking Chairs</i>	<i>Other Bedding</i>
<i>Other Chairs</i>	<i>Other Electric Lighting Equipment</i>
<i>Other Furniture</i>	<i>Other Ladders</i>
<i>Other Stools</i>	<i>Other Upholstered Chairs</i>
<i>Panelboards, Circuit Breakers, GFCI's, or Fuses</i>	<i>Party Favors</i>
<i>Pictures, Picture Frames or Wall Decorations</i>	<i>Pillows</i>

<i>Recliner Chair</i>	<i>Recliner Chairs, Not Specified</i>
<i>Rocking Chair</i>	<i>Rocking Chairs, Not Specified</i>
<i>Room-Sized, Wall-To-Wall or Outdoor Carpeting</i>	<i>Rugs or Carpets, Not Specified</i>
<i>Runners, Throw Rugs or Doormats</i>	<i>Scales (Excl. Baby Scales)</i>
<i>Scales, Electric/Battery Operated (Exclud. Baby Scales)</i>	<i>Scales, Not Elec. or Battery or Not Specified</i>
<i>Seasonal Decorations</i>	<i>Sheets or Pillowcases</i>
<i>Sinks</i>	<i>Slipcovers</i>
<i>Sofas, Couches, Davenports, Divans or Studio Couches</i>	<i>Step Stools</i>
<i>Stepladders</i>	<i>Stools, Not Specified</i>
<i>Stools, Other or Not Specified</i>	<i>Straight Ladders</i>
<i>Surge Suppressors or Power Strips</i>	<i>Table Linens</i>
<i>Tables (Excl. Baby Changing Tables, Billiard or Pool Tables)</i>	<i>Toddler Beds</i>
<i>Toilets</i>	<i>Towel Racks or Bars</i>
<i>Towels or Cloths</i>	<i>Unattached Appliance or Lamp Cords</i>
<i>Upholstered Chairs, Not Specified</i>	<i>Upholstered Footstools, Ottomans or Hassocks</i>
<i>Upholstered Recliner Chairs</i>	<i>Upholstered Rocking Chairs</i>
<i>Wallpaper</i>	<i>Waterbeds or Water Pillows</i>
<i>Window Shades, Venetian Blinds or Indoor Shutters</i>	
Home Structures and Construction Materials	
<i>Automatic Doors or Door Openers</i>	<i>Automatic Garage Doors or Door Openers</i>
<i>Bricks or Concrete Blocks (Not Part of Structure)</i>	<i>Cabinet or Door Hardware</i>
<i>Carbon Monoxide Poisoning (When Source Is Unknown)</i>	<i>Ceilings and Walls (Interior Part of Completed Structure)</i>
<i>Counters or Countertops</i>	<i>Door Sills or Frames</i>
<i>Doors, Not Specified</i>	<i>Doors, Other or Not Specified</i>
<i>Drywall In a Completed Structure</i>	<i>Fences or Fence Posts</i>
<i>Fixed Floor-Length Glass Panels</i>	<i>Floors or Flooring Materials</i>
<i>Garage Doors (Excl. Automatic Garage Doors or Openers)</i>	<i>Gas Fumes or Gas Vapors of Unknown Origin</i>
<i>General Home or Room Involvement in Fires</i>	<i>Glass Bathtub or Shower Enclosures</i>
<i>Glass Doors or Doors with Glass Panels</i>	<i>Glass Doors, Not Specified</i>
<i>Gutters, Drainpipes, Downspouts or Run-Off Pipes</i>	<i>Handrails, Railings or Banisters</i>
<i>House Repair or Construction Materials, Nec</i>	<i>Jalousie Glass Windows</i>
<i>Lightning Rods, Arresters or Other Grounding Devices</i>	<i>Mobile Homes</i>
<i>Nails, Screws, Carpet Tacks or Thumbtacks</i>	<i>Nonglass Doors (Nongarage), Not Specified</i>
<i>Other Glass Doors</i>	<i>Other Nonglass Doors (Nongarage)</i>
<i>Other Windows or Window Glass</i>	<i>Outdoor Awnings or Shutters</i>
<i>Panel Doors (Flush or Slab)</i>	<i>Plastic Panels for Doors or Windows</i>
<i>Porches, Balconies, Open-Side Floors or Floor Openings</i>	<i>Pull-Down or Folding Stairs</i>
<i>Ramps or Landings</i>	<i>Scaffolding</i>
<i>Screen Doors</i>	<i>Separate Garages or Tool Sheds</i>

<i>Sliding Glass Doors or Panels</i>	<i>Stairs or Steps</i>
<i>Storm Doors With Glass Panels</i>	<i>Storm Doors Without Glass Panels</i>
<i>Storm Windows</i>	<i>Thermal or Sound Insulation Materials</i>
<i>Tool Sheds</i>	<i>Tree Stands (Hunting)</i>
<i>Window or Door Security Barriers</i>	<i>Window Screens</i>
<i>Window Sills or Frames</i>	<i>Windows and Window Glass, Other Than Storm Windows</i>
<i>Windows or Window Glass, Not Specified</i>	<i>Wood Paneling and Particleboard</i>
Miscellaneous	
<i>Aircraft</i>	<i>Alcohol (Beverage)</i>
<i>Animal Induced Injury</i>	<i>Artificial Turf</i>
<i>Assigned Case with Out-Of-Scope Product</i>	<i>Benches</i>
<i>Bleachers</i>	<i>Boats and Boating (Activity, Apparel or Equipment)</i>
<i>Books, Magazines, Albums or Scrapbooks</i>	<i>Burglar Alarms</i>
<i>Business and Office Machines</i>	<i>Carbon Monoxide Detectors</i>
<i>Carts, Other or Not Specified</i>	<i>Cigarettes, Cigars, Pipes or Tobacco</i>
<i>Clotheslines or Clothes Drying Racks</i>	<i>Coin-Operated Car-Washing Equipment</i>
<i>Combination Fire/Smoke Alarm and Carbon Monoxide Detector</i>	<i>Contact Lenses</i>
<i>Crutches, Canes or Walkers</i>	<i>Diesel Fuels</i>
<i>Dollies, Handtrucks or Luggage Carriers</i>	<i>Drinking Fountains</i>
<i>Elevators or Other Lifts</i>	<i>Elevators or Other Lifts (Excl. Escalators, Hoists, Jacks,</i>
<i>Escalators</i>	<i>Eyeglasses</i>
<i>Fertilizers and Other Chemicals for Outdoor Use</i>	<i>Fertilizers, Not Specified</i>
<i>Fire Escape Devices</i>	<i>Fire Extinguishers</i>
<i>Fire or Smoke Alarms</i>	<i>Fire Sprinklers</i>
<i>Fireworks</i>	<i>First Aid Equipment</i>
<i>Flares</i>	<i>Foods (Excluding Hot Water)</i>
<i>Fuel Oils, Not Specified</i>	<i>Fuel-Burning Lighting Equipment</i>
<i>Gasoline</i>	<i>Generators or Power Plants</i>
<i>Grocery or Shopping Carts</i>	<i>Gunpowder or Ammunition</i>
<i>Guns, Not Specified</i>	<i>Hearing Aids</i>
<i>Hot Water</i>	<i>Hypodermic Needles or Syringes</i>
<i>Illegal Drugs</i>	<i>Incinerators</i>
<i>Industrial Equipment</i>	<i>Insect Induced Injuries</i>
<i>Kerosene</i>	<i>Lamp Oils</i>
<i>Licensed Two-Wheeled Motor Vehicles</i>	<i>Lockers</i>
<i>Medical Equipment</i>	<i>Motor Vehicles or Parts (Licensed, Four or More Wheels)</i>
<i>Moving Walks</i>	<i>No Clerical Coding - Retailer Report</i>
<i>No Product Involved / Product Not Listed</i>	<i>Nonelectric Toothbrushes</i>
<i>Non-Poisoning Death of Victim Under Age 5 - No Product</i>	<i>Other Guns or Firearms</i>
<i>Other Specified Plastic Products</i>	<i>Out Of Scope Product - Retailer Report</i>
<i>Overlay Deaths</i>	<i>Padlocks, Chain Locks or Other Locks</i>

<i>Plants, Trees, and Shrubs</i>	<i>Plastic Products, Not Elsewhere Classified</i>
<i>Poles</i>	<i>Powered Toothbrushes or Oral Irrigators</i>
<i>Public Use Items, Not Elsewhere Classified</i>	<i>Residential Alternative Energy Systems for On-Site Power Gen</i>
<i>Safes</i>	<i>School Equipment</i>
<i>Sun Lamps</i>	<i>Tarpaulins</i>
<i>Tombstones or Grave Markers</i>	<i>Torches, Not Specified</i>
<i>Trains</i>	<i>Uncategorized Product</i>
<i>Vending Machines</i>	<i>Wheelchairs</i>
<i>Yard / Home Improvement Equip - Consumer Use, No Other Code</i>	



II. SAFETY STANDARDS

The Commission helps reduce consumer product hazards by developing mandatory safety standards and through staff's involvement in developing and strengthening voluntary safety standards. This section presents information about:

- Mandatory safety standards in effect;
- Voluntary safety standards for which staff provided monitoring or technical support; and
- Research activities conducted by staff.

MANDATORY SAFETY STANDARDS: Mandatory safety standards are developed through legislation or rulemaking. Under most of the statutes the CPSC enforces, if a voluntary safety standard exists, then, by law, the Commission may not issue a mandatory safety standard unless it finds that the voluntary safety standard will not eliminate or adequately reduce the risk of injury or death, or determines that it is unlikely that there will be substantial compliance with such standard. During the rulemaking process, Commission staff seeks input from all interested parties, including consumers, industry, and other government agencies. Mandatory safety standards generally are expressed in the form of performance requirements.

For more detail, visit the **Electronic Code of Federal Regulations, Title 16 Chapter II**¹¹ Web page (updated daily) available at:

<https://www.ecfr.gov/cgi-bin/text-idx?SID=fa1f4f414a81d4952daedd9a3d3825ba&mc=true&tpl=/ecfrbrowse/ttitle16/16chapterII.tpl>¹²

Regulations, Mandatory Standards, and Bans are listed on the CPSC website at:

<http://www.cpsc.gov/en/Regulations-Laws--Standards/Regulations-Mandatory-Standards-Bans/>

VOLUNTARY SAFETY STANDARDS: The CPSC's statutory authority requires the agency to rely on voluntary safety standards, rather than issue mandatory safety standards, whenever compliance with a voluntary safety standard would eliminate or adequately reduce the risk of injury identified, and it is likely there will be substantial compliance with the voluntary safety standard. CPSC staff actively engages with organizations that facilitate the development of voluntary safety standards at several stages in the process. Staff often submits recommendations to voluntary safety standards development organizations (SDOs) for new standards or modifications of existing standards. After receiving CPSC staff recommendations, the SDOs may: (1) hold committee meetings; (2) establish a

¹¹ Does not include administrative or exemption rulemakings.

¹² This information is obtained from the U.S. National Archives and Records Administration.

task group; (3) conduct technical assessments (as appropriate); (4) publish or ballot a proposal for comment; (5) receive and evaluate comments; or (6) publish or revise a voluntary safety standard. Due to the fact-based, technical, and collaborative nature of this work, which can involve developing new solutions to address identified hazards, the process may take several months or even years to complete. Commission staff participates in the process by providing expert advice, technical assistance, and information based on data analyses of how deaths, injuries, or incidents occurred. Since fiscal year 2016, agency staff has also led certain voluntary safety standard efforts and/or voted on voluntary safety standard ballots.¹³

RESEARCH ACTIVITIES: CPSC staff conducts and sponsors many research and study projects to further the agency's activities to improve product safety and reduce or eliminate potential hazards associated with consumer products. Staff may use the findings from these projects to develop and refine the agency's positions on voluntary and mandatory product safety standards.

For more information about the agency's research activities, visit the CPSC website at: <https://www.cpsc.gov/research-and-reports-overview>

A. **Mandatory Safety Standards**

The Commission approved the following final rules in Fiscal Year 2024:

1. Flammability of Clothing Textiles: On October 17, 2023, the Commission voted unanimously (4-0) to approve publication in the Federal Register a final rule, as drafted, to amend the Standard for the Flammability of Clothing Textiles in 16 C.F.R. part 1610, pursuant to the Flammable Fabrics Act (15 U.S.C. §§ 1191-1204), to update and clarify equipment and procedures in the standard.
2. All-Terrain Vehicles: On January 5, 2024, The Commission voted to approve publication of the Draft Final Rule: Amendment to Standard for All-Terrain Vehicles, in the Federal Register, as drafted.
3. Baloxavir Marboxil: On, April 2, 2024, the Commission voted to approve publication of the Federal Register notice Draft Final Rule to Exempt Baloxavir Marboxil (XOFLUZA) in Packages Containing Not More than 80 mg of the Drug from Special Packaging Requirements of the Poison Prevention Packaging Act, as drafted.
4. Portable Fuel Containers: On April 9, 2024, the Commission voted unanimously (5-0) that the revision to ASTM F3429/F3429M-24 meets the requirements of section

¹³ A summary of CPSC's Voluntary Standards work is included in the FY22 VSTAR Report: https://www.cpsc.gov/s3fs-public/FY22%20Annual%20VSTAR_final.pdf?VersionId=FtAbpkMBIkPT2VYpvpFGBJd0CYnOYYdn

2056d(b)(3)(A) of the PFCSA and approve publication of the attached direct final rule in the Federal Register, as drafted.

Durable Infant or Toddler Products: The Danny Keysar Child Product Safety Notification Act, Section 104 of the CPSIA, requires the CPSC to promulgate consumer product safety standards for durable infant or toddler products. These standards are to be “substantially the same as” applicable voluntary safety standards or more stringent than the voluntary safety standards if the Commission determines that more stringent requirements would further reduce the risk of injury associated with the product.

The following is a summary of all new and revised rulemakings pursuant to Section 104 of the CPSIA, in FY 2024:

5. ASTM F-963 Voluntary Standard for Toys: On January 5, 2024, the Commission voted unanimously (4-0) to determine that the revisions to ASTM F963-23 improve the safety of toys covered by the standard and approve publication of the Draft Direct Final Rule: Revision to the ASTM F-963 Voluntary Standard for Toys, in the Federal Register, as drafted.
6. Nursing Pillows: On September 18, 2024, the Commission voted to approve publication of staff’s supplemental draft final rule establishing a safety standard for nursing pillows.

The Commission voted to approve publication of the following proposed rules in 2024:

1. Infant Support Cushions: On November 29, 2023, the Commission voted to approve publication of staff’s draft proposed safety rule establishing a safety standard for infant support cushions.
2. Bassinets and Cradles: On March 25, 2024, the Commission voted unanimously (4-0) to approve the draft proposed rule as amended and to publish the same in the Federal Register.
3. Water Beads: On August 21, 2024, the Commission voted to approve publication of the Federal Register notice extending the comment period for the NPR: Safety Standard for Toys: Requirements for Water Beads by 30 days.

In 2024 the Commission voted to approve publication of the following petitions for rulemaking

1. Testing & Labeling Regarding Slip Resistance of Flooring: The Commission voted to approve publication of the draft Federal Register notice, inviting public comments for

Petition CP 24-1, from the National Floor Safety Institute requesting that the Commission initiate rulemaking to mandate testing and labeling regarding the slip resistance (traction) of commercial and residential grade floor coverings, floor coatings and treatments, residential and commercial floor cleaning agents, and consumer footwear.

B. Voluntary Safety Standards

Semiannually, the Commission issues the Voluntary Standards Tracking and Access Report (VSTAR). The VSTAR includes the objective of each standard under development, the name of the employee involved in the activity, the status of the standard, and the next step planned in the standard development process.

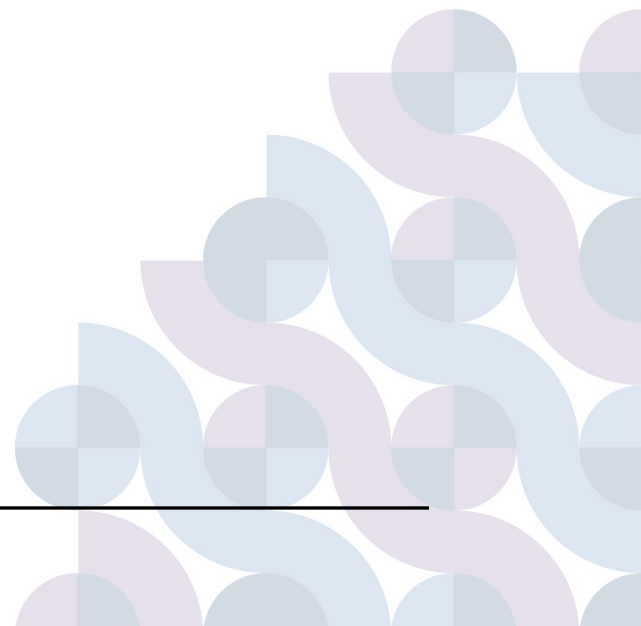
A copy of the 2024 annual report can be found on the CPSC website at: <https://www.cpsc.gov/s3fs-public/Voluntary-Standards-Tracking-and-Access-Fiscal-Year-2024-Annual-Report.pdf?VersionId=Hd95y6OV6KUvAl5okrIM7GYUDR.FXXul>

During the reporting period, staff participation in 26 of the operating plan listed activity categories resulted in at least one new or revised voluntary standard that improved safety and was published during the reporting period. These are in fulfillment of Budget Key Metric 2024KM1.2.1. These standards are listed below. Details regarding the revisions can be found in the applicable product sections of this report. The designations and titles of all voluntary standards that were new, revised, or reapproved during the reporting period are shown in bold font in the applicable activity section.

Standard	SDO	Date Published
ASTM D5438-23 Standard Practice for Collection of Floor Dust for Chemical Analysis	ASTM	10/2/23
ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	ASTM	10/13/23
NFPA 58 Liquefied Petroleum Gas Code	NFPA	10/20/23
ASTM D3474-23 Standard Practice for Calibration and Use of Torque Meters Used in Packaging Applications	ASTM	11/7/23
UL 2900-1 - 2nd Ed (2023) Software Cybersecurity for Network-Connectable Products Part 1 General Requirements	UL	12/13/23
ANSI_PGMA_G300-2023 Safety and Performance of Portable Generators	PGMA	12/29/23
ASTM F3429/3429M-24 Standard Specification for Performance of Flame Mitigation Devices Installed in	ASTM	1/19/24

Disposable and Pre-Filled Flammable Liquid Containers		
ASTM F3084-23 Standard Consumer Safety Specification for Infant and Toddler Rockers	ASTM	1/23/24
CSA/ANSI Z21.1-24/CSA 1.1-2024 Household Cooking Gas Appliances	CSA	2/13/24
ASTM F3186-24 Standard Specification for Adult Portable Bed Rails and Related Products	ASTM	3/1/24
ASTM F2088-24 Standard Consumer Safety Specification for Infant and Cradle Swings	ASTM	3/6/24
ASTM D8560-24, Standard Guide for Determination of Airborne PFAS in the Indoor Air Environment	ASTM	4/1/24
ASTM F3681-24 Standard Consumer Safety Specification for Beach Umbrellas and Anchor Devices	ASTM	4/8/24
ANSI C18.3M part 2- 2024 American National Standard for Portable Lithium Primary Cells and Batteries - Safety Standard	NEMA	4/8/24
UL 2272 2nd edition Standard for Electrical Systems for Personal E-Mobility Devices	UL	4/19/24
UL 217 Smoke Alarms	UL	5/8/24
ASTM F3698-24 Standard Specification for Computer-vision Drowning Detection Systems for Residential Swimming Pools	ASTM	5/14/24
UL 3300 Service, Communication, Information, Education and Entertainment Robots- SCIEE Robots	UL	5/14/24
ASTM F1193-24 Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices	ASTM	5/27/24
ASTM F770-24 Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices	ASTM	5/27/24
ASTM F2291-24 Standard Practice for Design of Amusement Rides and Devices	ASTM	5/30/24
UL 2034 Single and Multiple Station Carbon Monoxide Alarms	UL	6/3/24
UL 2034 5th edition Single and Multiple Station Carbon Monoxide Alarms	UL	6/3/24
ASTM F2974-24a Standard Practice for Auditing Amusement Rides and Devices	ASTM	6/6/24
ASTM F747-24 Standard Terminology Relating to Amusement Rides and Devices	ASTM	6/10/24

ANSI C18.1M Part 2-2024 American National Standard for Portable Primary Cells and Batteries with Aqueous Electrolyte - Safety Standard	NEMA	6/14/24
ASTM F1193-24e1 Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices	ASTM	6/21/24
ASTM F1967-24 Standard Consumer Safety Specification for Infant Bath Seats	ASTM	6/25/24
ASTM F2236-24 Standard Consumer Safety Specification for Soft Infant and Toddler Carriers	ASTM	8/13/24
ASTM F1148-24 Standard Consumer Safety Performance Specification for Home Playground Equipment	ASTM	8/30/24
ASTM F3463-24 Standard Guide for Ensuring the Safety of Connected Consumer Products	ASTM	9/10/24
ASTM F3669-24 Standard Consumer Safety Specification for Nursing Pillows	ASTM	9/10/24
ASTM F406 -24 Standard Consumer Safety Specification for Non-Full Size Cribs and Play Yards	ASTM	9/18/24
ANSI Z535.7 24 Product Safety Information in Electronic Media	NEMA	9/19/24
ASTM F2729-24 Standard Consumer Safety Specification for Constant Air Inflatable Play Devices for Home Use	ASTM	9/30/24



C. **Research Activities**

Commission staff conducts studies and investigates deaths, injuries, diseases, and economic costs associated with consumer products. Staff uses this research to identify hazardous products and to design effective strategies to reduce product hazards. CPSC staff conducted or participated in the following research:

- 1. OHV Annual Data Update:** CPSC staff prepared the annual report on Off Highway Vehicle related deaths and injuries. The report includes data on reported deaths by state, relative risk of deaths by year, and injuries distributed by year, age, and race/ethnic groupings. The report titled "2023 Report of Deaths and Injuries Involving Off-Highway Vehicles with More than Two Wheels " is available on the CPSC website at:
 - <https://www.cpsc.gov/content/2023-Report-of-Deaths-and-Injuries-Involving-Off-Highway-Vehicles-with-More-than-Two-Wheels>
- 2. ATV roll over protection and stability:** In 2023, CPSC staff contracted to refine the ESC algorithm and assess the effectiveness and drivability of an ATV ESC system. The contractor also conducted a literature search on commercially available automotive collision mitigation systems and their potential applicability to ATVs. In 2024, CPSC staff published the following reports on the CPSC website:
 - [Development of Enhanced Proof-of-Concept \(POC\) Electronic Stability Control \(ESC\) System for ATV Stability](#)
 - [Review of Automotive Safety Technologies Applicable to All-Terrain Vehicles \(ATVs\)](#)
- 3. Riding Mowers Rollover Research:** CPSC staff contracted to research and develop test methods to evaluate occupant injury during riding mower rollovers (lateral and pitch). CPSC contractors measured static characteristics of four residential riding mowers and evaluated rollover resistance using static and dynamic tests. In 2023, CPSC staff published the report: <https://www.cpsc.gov/content/Vehicle-Characteristics-Measurements-of-Riding-Mowers-%E2%80%93-Results-from-Tests-on-Four-2021-Model-Year-Vehicles>. In 2024, the contractor developed autonomous control for riding mowers to evaluate riding mower rollover and to evaluate the effectiveness of proof-of-concept (POC) rollover protection systems in preventing and/or mitigating injuries to occupants in rollovers. In 2024 CPSC staff published the report: [Evaluation of Riding Mowers Equipped with Proof-of-Concept Rollover Protection System \(ROPS\)](#)
- 4. Age Determination Guidelines Updates:** Agency staff continued work with Westat on determining developmentally appropriate ages for selected toys using observation of children's interactions with various toy categories including smart toys, and caregiver questionnaire responses. Work is scheduled to be completed in FY25.

5. **Batteries:** Commission staff continued to study safety issues related to high-energy rechargeable battery packs, cells, battery management systems, chargers and end-product systems that include those components. In 2023, staff issued a contract to assess safety performance changes of lithium-ion cells in five different e-mobility devices in response to charging and discharging at extreme ambient temperature conditions. The study is intended to provide a snapshot of the relative performance of batteries that are certified in compliance with applicable standards to those that are not. Staff also participated in interagency working groups, SDO working groups, and industry working groups to address this matter.
6. **Carbon Monoxide-Related Annual Updates:** CPSC staff prepared the annual report on carbon monoxide (CO) fatalities associated with consumer products. The report titled “Non-Fire Carbon Monoxide Deaths Associated with the Use of Consumer Products – 2020 Annual Estimates” is available on the CPSC website at:
 - <https://www.cpsc.gov/content/Non-Fire-Carbon-Monoxide-Deaths-Associated-with-the-Use-of-Consumer-Products-2020-Annual-Estimates>

In addition, staff completed the annual report on CO incidents associated with generators and engine-driven tools. The report titled “Fatal Incidents Associated with Non-Fire Carbon Monoxide Poisoning from Engine-Driven Generators and Other Engine-Driven Tools, 2012-2022” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Fatal-Incidents-Associated-with-Non-Fire-Carbon-Monoxide-Poisoning-from-Engine-Driven-Generators-and-Other-Engine-Driven-Tools-2012%E2%80%932022>
7. **Child Strength Study:** Over the past six years, CPSC staff contracted with the University of Michigan Transportation Research Institute (UMTRI) to collect strength data for children under 6 years old. Research completed in FY24 includes product-specific strength measures (e.g., pinch-pull on a zipper, push on a barrier, twist on a bottle cap) and an analysis of posture while performing strength exertions. Ongoing research includes additional hand strength measures and development of predictive models for general strength measures. CPSC staff relies on strength data to analyze a child ability to interact with products and the forces a child can exert onto a product. Data collected as part of this effort will be used in future projects, product safety assessments and standards development. These data will be available to the public and can be used by researchers and product designers. Reports are available at:
 - <https://www.cpsc.gov/content/Child-Strength-Measures-Children-6-through-23-Months-Old>
 - <https://www.cpsc.gov/content/Child-Strength-Measures-Children-24-through-71-Months-Old>.
 8. **Chemical Toxicity Assessments: Organohalogen Flame Retardants**
 - On May 15, 2019, the National Academy of Sciences (NAS) publicly released its report of a scoping plan to assess additive, nonpolymeric organohalogen flame

retardants (OFRs) as a class for potential chronic health hazards under the Federal Hazardous Substances Act (FHSA). The potential health hazards include cancer, birth defects, and gene mutations. The NAS OFR Committee Chairman briefed the Commission on July 24, 2019, and met with CPSC's Health Sciences (HS) staff. The final report titled "A Class Approach to Hazard Assessment of Organohalogen Flame Retardants" which was published by the National Academies Press is available at:

- ◆ <https://www.nap.edu/catalog/25412/a-class-approach-to-hazard-assessment-of-organohalogen-flame-retardants>.
- Following the National Academy of Sciences' report in 2019, staff developed a project plan to assess the risks of OFR chemicals in consumer products through multiple, related contract projects, and collaborations with the National Institutes for Environmental Health Sciences (NIEHS) Division of Translational Toxicology (DTT), and with staff of the Environmental Protection Agency (EPA). These projects implement the staff project plan and provide data and other information for staff to complete analyses of organohalogen flame retardants (OFRs) in specified consumer products. Completed reports are available on the CPSC website:
 - ◆ <https://www.cpsc.gov/Business--Manufacturing/Organohalogen-Flame-Retardant-Chemicals-Assessment>
- OFR Contract Projects:
 - ◆ Literature surveys and guide, 2 OFR subclasses, University of Cincinnati (initiated in -FY2021)
 - ◆ Identify data sources for literature surveys, 12 remaining subclasses, University of Cincinnati (FY2021)
 - ◆ Complete literature surveys, 12 subclasses, University of Cincinnati (FY2021)
 - ◆ OFR market and use research, Industrial Economics Incorporated (FY2021)
 - ◆ Exposure assessment of polyhalogenated organophosphates (PHOPs) using human biomonitoring data, University of Cincinnati (FY2022)
 - ◆ Read across guide and application to one or two subclasses, ICF International (FY2022)
 - ◆ Class-based exposure assessment guide, ICF International (FY2022)
 1. Scoping reports for 14 OFR subclasses, ICF International (FY2022)
 2. Literature search support – screening, ICF International (FY2023)
 - ◆ Literature search support – extraction, ICF International (FY2023)
 - ◆ Class-based dose response, ICF International (FY2023)
 - ◆ Peer consultation for read across, exposure and dose-response guides, Tetra Tech

- 9. Source characterization:** Source characterization describes how chemical substances are used in consumer product applications. Staff are compiling a source characterization inventory that comprehensively lists and describes different combinations of chemical

and product hazards. Each listing has a hazard narrative that describes the issue and additional references that provide more information.

The physical form, method of application, stability, and interface with indoor environments are considered and inform emission potential to indoor air, dust, and surfaces or migration potential to skin, saliva, or GI fluid. Staff are leading development of an ASTM Guide that compiles exposure modeling approaches for different kinds of consumer products. Staff are also compiling exposure testing protocols that inform source characterization and indoor exposure assessment. This work is done in parallel with efforts of the ASTM D22.05 indoor air subcommittee. Summaries of activities are included in the agency's Voluntary Standards Activities Reports posted at <https://www.cpsc.gov/Regulations-Laws--Standards/Voluntary-Standards/Voluntary-Standards-Activities-Reports>.

10. Per- and polyfluoroalkyl substances (PFAS): PFAS are manufactured chemicals that contain multiple fluorine atoms attached to carbon chains. There are thousands of different PFAS, though some are more commonly used than others and relevant toxicity data are limited or non-existent for many, and they have a variety of applications, including in water-repellent and stain resistant clothing, carpets and other fabrics, cleaning products, and paints and sealants. In FY 2022 and FY2023, staff oversaw a contract performed by RTI International to produce a white paper covering PFAS chemistries, uses and functions, hazard and risk information, and national and international regulatory trends related to PFAS. In FY2023, staff initiated a contract performed by ICF International to complete screening level risk assessments for 10 prioritized PFAS used in consumer products. At the end of FY 2023, staff published the white paper alongside a Request for Information (RFI). In FY 2024, staff reviewed and considered information received from the RFI and continued characterization of risk of 10 PFAS into FY2024. This work is scheduled to be completed in FY2025. In FY 2024, staff also contributed to a PFAS Federal Research and Development Strategic Plan published by the White House's Office of Science and Technology. This report incorporated feedback from across the Federal government and is available at:

- <https://www.whitehouse.gov/wp-content/uploads/2024/09/PFAS-STRAT-PLAN-FINAL.pdf>
- <https://www.cpsc.gov/Research--Statistics/Chemicals>

11. ICCVAM: Staff continued to participate as members of the Interagency Coordinating Committee for the Validation of Alternative Methods (ICCVAM). As part of ICCVAM, staff participated in two new work groups, Consideration of Alternative Methods and PFAS. The PFAS work group is developing a white paper on the state of the science of; current PFAS definitions and groupings, current alternative methods (also known as New Approach Methods or NAMs) used for testing and risk assessment of specific PFAS, and the challenges and data gaps for applying NAMs for PFAS. The Acute Toxicity work group has curated acute inhalation toxicity data (LC50, limit tests, range studies) and is developing a proposed pathway to create in silico models. Additionally, staff continued

work with ICCVAM and international partners on the evaluation of human skin sensitization data. The analytical work and guidance produced by this expert group can be found in the OECD Supporting Document to the OECD Guideline 497 on Defined Approaches for Skin Sensitization, and in the Series on Testing and Assessment, No. 336, (Annex 4), Report of the Human Data Sub-group on the Curation and Evaluation of the Human Reference Data and the Derivation of Associated Substance Classifications. Both were published by the OECD in August 2021 along with a 2023 update to OECD Guideline 497 and publication in the journal Archives of Toxicology. Staff also collaborated with the 17 ICCVAM participating agencies to write and publish in March of 2024 the ICCVAM report "Validation, Qualification, and Regulatory Acceptance of New Approach Methodologies. Furthermore, staff reviewed numerous documents for ICCVAM, such as procedural documents, guidance documents, and Organisation for Economic Co-Operation and Development (OECD) documents.

12. Crumb Rubber/Playground Surfaces: CPSC staff continued to participate in an interagency effort to assess the health effects associated with crumb rubber, and to assess the general safety status of public playground equipment and surfacing throughout the United States. Staff oversaw a contract performed by the University of Cincinnati to provide a screening-level risk assessment for targeted chemical substances that may be present in playground surfaces made with recycled tire rubber. The contractor report was posted to the CPSC's public site for Technical Reports in April 2022 at:

- <https://www.cpsc.gov/s3fs-public/Final-Report-on-Technical-Support-Activities-for-a-Screening-Level-Risk-Assessment-of-Playground-Surfaces.pdf?VersionId=MyHH6XdEqwCuuFUKSr4a4sPnfJMjGVT3>.

In 2024, ATSDR and EPA finalized a research [report](#) that includes results of the ATSDR biomonitoring study conducted in 2021-2022, and EPA's exposure characterization research for playing fields. The EPA/ATSDR report is not a risk assessment. Staff will use the report and other data sources to support exposure and risk assessments for playground surfaces. Information about the interagency effort can be found at:

- <https://www.epa.gov/chemical-research/federal-research-recycled-tire-crumb-used-playing-fields>.

Information about CPSC's effort, including completed reports, can be found at:

- <https://www.cpsc.gov/Safety-Education/Safety-Education-Centers/Crumb-Rubber-Safety-Information-Center>

13. Nanotechnology projects: CPSC staff engages with Federal and university partners in multiple projects that are intended to characterize and quantify exposures to engineered nanomaterials released from products across product life cycle. Since 2019, these collaborative activities have produced more than 100 reports and publications, in addition to voluntary standards resulting from CPSC-funded research that addresses nanomaterial hazards in consumer products.

CPSC, EPA, NIOSH, and NIST collaboration continues on evaluating emissions, factors influencing emissions, and the potential toxicity from exposure to emissions from 3D printers, including the release and accumulation of nanoplastics, illustrated by a technical report and six publications in 2023-2024

- <https://link.springer.com/article/10.1007/s42452-022-05221-7>
- <https://pubmed.ncbi.nlm.nih.gov/37350301/>
- <https://www.sciencedirect.com/science/article/abs/pii/S004896972305163X>
- <https://www.sciencedirect.com/science/article/abs/pii/S1385894723068900>
- <https://www.tandfonline.com/doi/full/10.1080/15287394.2024.2311170>
- <https://pubmed.ncbi.nlm.nih.gov/38682597/>

CPSC/EPA led a special session on 3D printing at the Organisation for Economic Cooperation and Development (OECD) Working Party on Manufactured Nanomaterials (WPMN) 2024 annual meeting. This interagency work is expanding to other types of 3D printers that are becoming more affordable to small businesses and the public, with an emphasis since 2023 on potential exposures to children. Information collected from these efforts to characterize exposure has resulted in the development by NIOSH, with CPSC staff input, of best practices for product use:

- <https://www.cdc.gov/niosh/docs/2024-103/default.html>

Refinements will continue as the interagency research progresses. In addition, this work was included in the White House 2024 strategy to tackle plastic pollution, Mobilizing Federal Action on Plastic Pollution: Progress, Principles, and Priorities:

- <https://www.whitehouse.gov/briefing-room/statements-releases/2024/07/19/fact-sheet-biden-harris-administration-releases-new-strategy-to-tackle-plastic-pollution-takes-action-to-reduce-single-use-plastics-in-federal-operations/>
- A Rutgers University 2024 publication, under CPSC contract, demonstrated that resuspended particle concentration, size and suspension rate depended on product and flooring type:
 - ◆ <https://www.sciencedirect.com/science/article/abs/pii/S0048969724016000>
- Duke University 2024 publications characterized the influence of nanomaterial content on abrasion products and microplastic production, in addition to the potential toxicity to Japanese medaka
 - ◆ <https://pubs.rsc.org/en/content/articlehtml/2024/en/d3en00888f>
 - ◆ <https://pubs.rsc.org/en/content/articlelanding/2024/en/d4en00368c>
- CPSC staff, NIOSH, EPA, and Elon University are engaged in voluntary standards activities to create validated methods for quantifying and characterizing exposures from products, including an ISO TC/229 project evaluating the release of nanomaterials from treated wood. A 2022 contract with Elon University, in support of the ISO TC/229 project, was completed in 2023 and results reported in a 2024 publication

◆ <https://www.sciencedirect.com/science/article/abs/pii/S0048969724045297>

- This study demonstrated a significant role of dispersion medium on the release of nano-enabled surface coatings on various surfaces through simulated dermal contact.

14. Fireworks: Staff released CPSC’s annual report on deaths and injuries associated with fireworks. The report titled “2023 Fireworks Annual Report, Fireworks-Related Deaths, Emergency Department-Treated Injuries, and Enforcement Activities During 2023” is available on the CPSC website at:

- <https://www.cpsc.gov/content/2023-Fireworks-Annual-Report>

15. National Smoke and CO Alarm Survey: CPSC, along with other federal agencies, and other fire safety advocates and organizations, completed in August 2024 the in-home survey on the use patterns and operability of installed smoke and CO alarms across the United States. In 2016, CPSC contracted with EurekaFacts to conduct the Survey on Usage and Functionality of Smoke and Carbon Monoxide Alarms in Households (SCOA survey). The survey was an in-home quantitative assessment of the functionality of residential smoke and carbon monoxide (CO) alarms, as well as resident use and knowledge of smoke and CO alarm systems. The SCOA survey was an updated replication of the 1992 CPSC-sponsored study Smoke Detector Operability Survey Report Findings, published in 1994. The 1992 study was conducted to fill the gap in knowledge regarding smoke detector operability rates, as previous studies only had estimates about how many homes had these devices installed. With the growing installation and requirement of CO alarms, and updated codes and requirements for smoke alarms, CPSC sought to provide an updated report on the operability of these lifesaving household devices. The SCOA survey was administered to 1,060 U.S. households across 24 metropolitan areas (MSAs) and residents living in non-MSAs. The results of the SCOA survey are intended to assist in developing improvements to codes and standards for the manufacturing and implementation of smoke and CO alarms. The report is available at:

- <https://cpsc.gov/content/Survey-on-Use-and-Functionality-of-Smoke-and-Carbon-Monoxide-Alarms-SCOA-in-Households>

16. Value per Statistical Life: Staff utilized its research on children’s value per statistical life (VSL), which culminated in a 2018 report “Valuing Reductions in Fatal Risks to Children”, in its development of the agency’s Proposed Draft Guidance for Estimating VSL (88 FR 17826). Citing CPSC’s previous research on children VSL, the draft guidance recommended using a VSL for children that twice the amount used for adult VSL in all of CPSC’s regulatory analyses. Staff shared the draft guidance with the Office of Management and Budget (OMB) for its awareness. Eight commenters submitted comments to the draft guidance. In March 2024, the Commission voted to approve CPSC’s Final Guidance on VSL, which implemented a child VSL twice that of adults in all agency’s economic analyses. CPSC’s Final Guidance on VSL is available in the Federal Register at:

- <https://www.federalregister.gov/documents/2024/04/18/2024-08300/notice-of-availability-of-final-guidance-for-estimating-value-per-statistical-life>

17. NEISS Data Highlights: CPSC staff estimated national emergency department-treated injuries by consumer product categories, and by age, gender, and disposition. Injury estimates and rates per 100,000 individuals in the U.S. population in 2022, are presented on the CPSC website at:

- <https://www.cpsc.gov/cgibin/NEISSQuery/home.aspx>.

18. Nursery Products Annual Update: Commission staff completed a report on nursery product-related injuries and deaths of children under the age of five. The report titled “Injuries and Deaths Associated with Nursery Products Among Children Younger than Age Five” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Injuries-and-Deaths-Associated-with-Nursery-Products-Among-Children-Younger-than-Age-Five-13>

19. Pediatric Poisonings: Agency staff completed CPSC’s annual report on unintentional pediatric poisonings. The report titled “Annual Report on Pediatric Poisoning Fatalities and Injuries” is available on the CPSC website at:

- <https://www.cpsc.gov/Research--Statistics/Pediatric-Poisonings/Annual-Report-on-Pediatric-Poisoning-Fatalities-and-Injuries-March-2024>

20. Pool and Spa Submersions: Agency staff prepared CPSC’s annual report on pool or spa submersion injuries and drownings involving children under the age of 15. The report titled “Pool or Spa Submersion: Estimated Nonfatal Drowning Injuries and Reported Drownings, 2024 Report” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Pool-or-Spa-Submersion-Estimated-Nonfatal-Drowning-Injuries-and-Reported-Drownings-2024-Report>

21. Residential Fire Loss Annual Update: Commission staff prepared CPSC’s annual report on residential fire loss, including fires, deaths, injuries, and property loss that occurred between 2019 through 2021. The report titled “2019-2021 Residential Fire Loss Estimates” is available on the CPSC website at:

- <https://www.cpsc.gov/content/2019-to-2021-Residential-Fire-Loss-Estimates>

22. Tip-Over Annual Update: CPSC staff prepared the agency’s annual report on product instability or tip-over injuries and fatalities associated with televisions, furniture, and appliances. The report titled “Product Instability or Tip-Over Injuries and Fatalities Associated with Televisions, Furniture, and Appliances: 2023 Report” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Product-Instability-or-Tip-Over-Injuries-and-Fatalities-Associated-with-Television-Furniture-and-Appliances-2023-Report>

23. Toy Deaths and Injuries: Commission staff prepared CPSC’s annual report on toy-related deaths and injuries. The report titled “Toy-Related Deaths and Injuries Calendar Year 2022” is available on the CPSC website at:

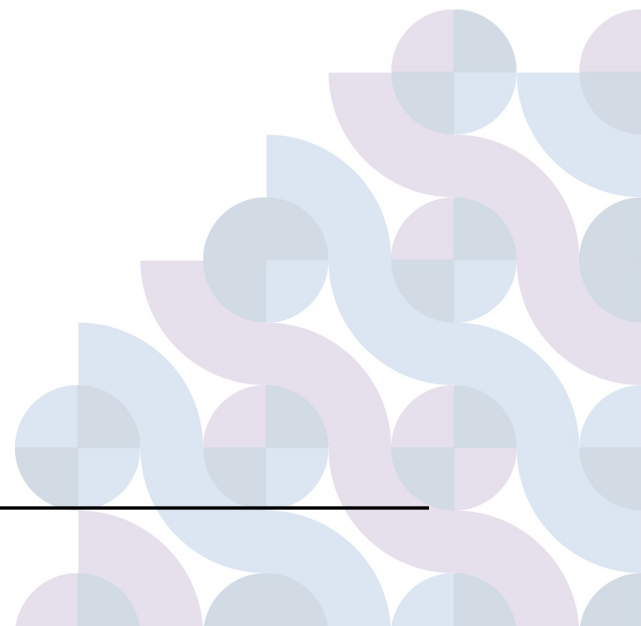
- <https://www.cpsc.gov/content/Toy-Related-Deaths-and-Injuries-Calendar-Year-2022>

24. Micromobility: Commission staff prepared CPSC’s annual report on micromobility-related deaths and injuries. The report titled “Micromobility Products-Related Deaths, Injuries, and Hazard Patterns: 2017–2022” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Micromobility-Products-Related-Deaths-Injuries-and-Hazard-Patterns-2017%E2%80%932022>

25. Electrocutions: Commission staff prepared CPSC’s annual report on electrocution deaths. The report titled “Electrocutions Associated With Consumer Products: 2011–2020” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Electrocutions-2011-2020>



III. COMPLIANCE, ENFORCEMENT, AND LITIGATION

The CPSC staff learns about potential product defects and risks from many sources, including incident reports, consumer complaints, the agency's [Hotline](#), and [SaferProducts.gov](#). In addition, firms are required by law to report to the Commission about potential product defects, hazards, or violations of standards. The Commission works with companies to remove products from the marketplace when the products violate mandatory safety standards or have a defect that creates a substantial risk of injury. This section presents information about:

- Voluntary recalls undertaken by importers or manufacturers;
- Notices of Violation sent to importers and manufacturers; and
- Commission determinations and judicial actions.

Voluntary Recalls Undertaken by Importers or Manufacturers: Through investigations of potential product hazards, CPSC headquarters and field staff identify defective products and products in violation of mandatory standards. In addition, companies are required to report to the Commission products that may create substantial hazards to consumers. When a recall is necessary, CPSC Compliance staff negotiates with the responsible company. In FY 2024, CPSC staff completed 333 cooperative (voluntary) recalls.

Monthly Progress Reports: Following a recall announcement, a firm submits monthly progress reports (MPRs) to CPSC staff that contain data showing the progress of the recall remedy. This allows CPSC staff to evaluate the effectiveness of the recall and collect information regarding the total number of units involved and how many corrections have occurred during specific time periods. It also allows CPSC to be notified of any new incidents as well as notification to and contacts from consumers.

Monthly Progress Report information is posted publicly on CPSC's website at:
<https://www.cpsc.gov/Data/Monthly-Progress-Reports>

Fast-Track Recall Program: The CPSC developed the Fast-Track Recall program to streamline the process of recalls for companies willing and prepared to recall their products quickly. Because every defective product could present a risk of injury or death, removing hazardous products from the marketplace faster can prevent more injuries and save lives. In 2024, 166 of the total 333 recalls completed were under the Fast-Track program. Recalls under the Fast-Track program are conducted without the need for time-consuming hazard analyses. In 2024, 98.08 percent of Fast-Track recalls were initiated within 20 days of a firm's report to the CPSC.

For a detailed listing of all Recalls, visit the CPSC website at:
<http://www.cpsc.gov/en/Recalls/>

Notices of Violation to Importers or Manufacturers: For products regulated by the CPSC, the Commission issues a Notice of Violation (NOV) when staff identifies a violation of a mandatory safety standard. NOVs advise the company of the violation and the nature of the necessary corrective action (i.e. to correct future production (CFP); to stop sale and CFP; or to recall, stop sale, and CFP).

For a detailed listing of NOVs, visit the CPSC website at:
<http://www.cpsc.gov/en/Recalls/Violations/>

Commission Determinations and Judicial Actions: When companies knowingly violate section 19 of the CPSA, the CPSC can seek civil penalties. Examples of violations include, but are not limited to: (1) failing to immediately report potential product hazards or violations of safety standards to the Commission, as required by law; (2) misrepresentations to CPSC staff in the course of an investigation; (3) selling, offering for sale, importing, or distributing recalled goods; and (4) the unauthorized use of a certification mark.

Furthermore, the Commission has a variety of enforcement authorities, including the ability to take legal action under CPSA section 12 (i.e., to seize an imminently hazardous consumer product), or seek a mandatory order under section 15(c) or 15(d) of the CPSA (i.e., to protect the public from products that present a substantial product hazard, or to order a recall or other corrective action, as appropriate, respectively). The Commission may also request that the U.S. Department of Justice (DOJ) pursue civil and criminal penalties against offenders. Enforcement and litigation activities of the Commission are listed below.

For a detailed listing of Civil and Criminal Penalties, visit the CPSC website at:
<http://www.cpsc.gov/en/Business--Manufacturing/Civil-and-Criminal-Penalties/>

Import Surveillance: The Office of Import Surveillance (EXIS) is responsible for coordinating with U.S. Customs and Border Protection (CBP) to prevent violative or hazardous products from entering the United States. EXIS co-locates investigators at select high-volume ports of entry to work side-by-side with CBP to identify and interdict shipments that are at high risk of not complying with CPSC requirements. The CPSC also collaborates with CBP at the Commercial Targeting and Analysis Center (CTAC) to implement national operations designed to coordinate and optimize the federal government's response to product risk at importation.

In 2024, EXIS conducted over 65,000 import examinations, with nearly 14,000 of those targeting de minimis shipments valued at \$800 or less. In coordination with CBP, EXIS conducted two special operations at express carrier facilities — where large volumes of de minimis eCommerce shipments make entry into the United

States — EXIS addressed the growing challenge of ensuring compliance in a high-volume environment.

In 2024 EXIS made significant progress on the project to require the electronic filing (eFiling) of certificate of compliance data at the time products enter the country. During the Beta Pilot, over 30 volunteers participants filed over 3,500 data sets, setting a solid foundation for full eFiling implementation, and demonstrating the system's capacity and resilience.

To enhance transparency and efficiency, EXIS partnered with CPSC's Office of Information & Technology Services (EXIT) to develop and implement an Import Shipment Tracking Tool, which allows importers and customs brokers to get real-time updates on the status of their shipments. This increased transparency for the trade community and reduced the amount of staff time dedicated to fielding questions by approximately 50 percent.

eSAFE Team: CPSC's eCommerce, Surveillance, Analysis, Field, and Enforcement (eSAFE) team conducts online surveillance to identify and remove recalled or banned products sold on secondary markets. The team also targets products that may violate CPSC safety standards or regulations or pose a defect that creates a substantial product hazard. This includes products sold by retailers, manufacturers, importers, or third-party distributors. Additionally, the eSAFE team analyzes eCommerce data to support regulatory actions and defect investigations.

In 2024, the eSAFE team completed nearly 59,000 assignments in support of compliance programs and casework. This included in-depth analysis, the collection of close to 600 priority samples, and more than 56,000 product listing takedowns requests for banned or previously recalled consumer products. These takedown requests were generated from over three million platform screenings by CPSC and resulted in the removal of more than 58,000 units of consumer products from eCommerce.

A. Civil Penalty Settlements Accepted by the Commission

The CPSC can seek civil penalties when companies knowingly fail to report to the Commission about potential product hazards, unreasonable risks, or the failure to comply with a rule, regulation, standard, or ban, as required under section 15(b) of the CPSA or if a firm knowingly engages in any prohibited act in violation of section 19 of the CPSA. The Commission has the authority to negotiate civil penalties or request that the DOJ file suit in federal court seeking a civil penalty or other relief. In fiscal year 2024, the CPSC negotiated out-of-court settlements in which two companies voluntarily agreed to pay a total of \$25 million in civil

penalties to the U.S. Treasury.

Firm	Fine	Act	Product
BJ's Wholesale Club, Inc.	\$9,000,000	CPSA	Portable Air Conditioners
HSN, Inc.	\$16,000,000	CPSA	Handheld Steamers

B. **Lawsuits Filed Seeking Mandatory Recall Remedies Under Section 15 of the CPSA**

- In the Matter of Leachco, Inc., CPSC No. 22-1:** On February 9, 2022, an administrative enforcement proceeding pursuant to section 15 of the CPSA was instituted against Leachco, Inc., the manufacturer and distributor of the Podster infant lounging pillow. The complaint alleges that the Podster is a substantial product hazard because it contains defects that create present a substantial risk of injury to the public. Complaint counsel alleges, among other things, that the Podster infant lounging pillows have a defective design that causes airflow obstruction leading to suffocation if an infant rolls or moves into a position which their nose and mouth is obstructed by the product. At least three infants suffocated and died after being placed in the Podster for unsupervised sleep. A hearing was held on August 7-10, 2023 before the Hon. Michael Young, Administrative Law Judge, at the CPSC Bethesda, Maryland headquarters. Judge Young issued an Initial Decision on July 3, 2024, in favor of Leachco. Complaint Counsel timely appealed the Initial Decision and Leachco filed a Cross-Appeal. Appellate briefing by both parties was completed on November 21, 2024, and the matter is currently before the Commission.
- In the Matter of Amazon.com, Inc. CPSC No. 21-2:** Complaint counsel filed a complaint in CPSC Docket 21-2, *In the Matter of Amazon.com, Inc.*, on July 14, 2021. The complaint alleges that certain hair dryers, carbon monoxide detectors, and children's sleepwear garments distributed by Amazon through its Fulfilled By Amazon ("FBA") program presented substantial product hazards. On January 19, 2022, an administrative law judge granted a partial motion for summary decision finding that, for purposes of its FBA program, Amazon is a "distributor" of consumer products and subject to the CPSA. An initial decision was issued on July 10, 2023, ordering Amazon to provide refunds or replacements for the hazardous products, as well as certain forms of notice to consumers. Complaint counsel and Amazon each appealed portions of the initial decision to the Commission, and oral arguments were held on December 14, 2023. The Commission issued a Decision and Order on July 30, 2024, concluding that Amazon was a "distributor" of the Subject Products through its FBA program and finding that Amazon should be required to provide notice and a refund to affected consumers. The parties subsequently conferred on a Proposed Notification Plan and a Proposed Action Plan and

have submitted their respective proposals to the Commission for final disposition of the matter.

For more information on these cases, visit the CPSC website at:

[Recall Lawsuits: Adjudicative Proceedings | CPSC.gov](#)

C. Commission Determined Imminent Hazards – Section 12 of the CPSA

In 2024, there were no instances in which the Commission took action under section 12 of the CPSA.

D. Federal Court Cases

This section summarizes federal court cases, categorized by type, to which the Commission was a party or a participant during 2024. Federal court cases include subpoena enforcement, civil penalty, seizure, injunction actions, cases with the Commission as defendant, and bankruptcy matters.

1) Civil (Defensive Litigation):

Cases	Summary
<i>Jake's Fireworks Inc., v. U.S. Consumer Product Safety Commission, No. 23-1661 (4th Cir.) (on appeal from 8:21-cv-02058-TDC (D. Md.))</i>	On June 20, 2023, Jake's filed a notice of appeal of the decision dismissing action in Jake's v. CPSC, 8:21-cv-02058-TDC (D. Md.). After mediation did not resolve the case, Jakes filed an opening brief on October 18, 2023. On November 17, 2023, the government filed a Response Brief. On December 12, 2023, Jake's filed a Reply Brief. The Court of Appeals held oral argument on May 8, 2024. On June 26, 2024 a three judge panel of the Fourth Circuit issued a unanimous decision affirming the District Court's dismissal of the complaint determining that notices of noncompliance (notices of violation) do not constitute final agency action under the Administrative Procedure Act. On August 12, 2024, Jake's filed a petition for rehearing en banc. On August 26, 2024, the court issued an order advising that the petition was circulated to the full court and no judge requested a poll under Fed. R. App. P. 35. The order denied the petition for rehearing en banc. On September 3, 2024, the Court issued a mandate pursuant to Fed. R. App. P. 41(a).
<i>Consumers' Research, and By Two LP v. Consumer Product Safety Commission, Case No. 23-1323 (S.Ct.)</i>	On June 18, 2024, Consumers Research filed a Petition for a Writ of Certiorari with the Supreme Court. On July 9, 2024, upon the request of the Solicitor General the Supreme Court Clerk extended time to respond to August 18, 2024. On July 17 and 18, 2024, the following groups filed amicus briefs: Americans for Prosperity Foundation, Competitive Enterprise Institute, Senator Ted Cruz and Representative Darrell Issa and 9 other Members of Congress, U.S. Chamber of Commerce, Solicitor General of the State of Louisiana (and 15 other states), Manhattan Institute, Landmark Legal Foundation, Advancing American Freedom, Center for American Liberty, Cato Institute and the New Civil Liberties Alliance. On August 18, 2024, the government filed a response to the Petition. On October 21, 2024 the Supreme Court denied certiorari.
<i>Leachco, Inc. v. CPSC et al., Case No. 22-7060 (10th Cir.) (on appeal from Case No. 6:22-cv-0232-RAW (E.D.</i>	On December 6, 2022, Leachco filed a notice of interlocutory appeal in the U.S Court of Appeals for the Tenth Circuit (dated December 5, 2022). On

Ok.))	<p>December 12, 2022, Leachco filed a motion for injunction pending appeal or expedited consideration in the U.S. Court of Appeals for the Tenth Circuit. After briefing, on January 30, 2023, a two-judge panel of the Tenth Circuit Court of Appeals denied Leachco's motion for an injunction pending appeal. On February 6, 2023, Leachco filed in the Supreme Court an emergency application for a writ of injunction pending appeal. On February 15, 2023, Justice Gorsuch denied Leachco's emergency application. On May 9, 2023, Leachco filed a renewed motion with the Tenth Circuit for injunction pending appeal, relying on <i>Axon v. FTC</i>, 143 S. Ct. 890 (2023). On June 6, 2023, a two-judge panel of the Tenth Circuit denied Leachco's request for a stay, without prejudice, explaining that Leachco had failed to file its request first in the district court as required by Federal Rule of Appellate Procedure 8(a)(2)(A). On July 31, 2023, while its motion was still pending before the district court, Leachco filed in the Tenth Circuit an emergency third motion for an injunction pending appeal. On August 4, 2023, a three-judge panel of the Court of Appeals denied Leachco's emergency motion for an injunction pending appeal. On August 7, 2023, Leachco filed an emergency motion/application for a writ of injunction pending appeal with the U.S. Supreme Court. On August 14, 2023, Justice Gorsuch denied the application. On September 20, 2023, a three-judge panel of the Tenth Circuit heard argument on review of the underlying District Court decision not to enjoin CPSC's adjudicative proceeding. On June 4, 2024, a three judge panel issued a unanimous decision affirming the district court's denial of preliminary injunctive relief. The court found that mere subjection to an administrative proceeding before an agency whose officials possess unconstitutional removal protections alone does not constitute irreparable harm and violations of constitutional separation of powers provisions are insufficient to support a preliminary injunction under existing 10th Circuit precedent. The court also held that even if removal protections are unconstitutional, Leachco failed to show how they</p>
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	affected or will affect the CPSC actions or conduct against it.
<i>Leachco Inc. v. Consumer Product Safety Commission, Case No. 24-156 (S.Ct.)</i>	On August 9, 2024, Leachco filed a Petition for Writ of Certiorari that was placed on the public docket on August 13, 2024, with a response from the government due on September 12, 2024. On August 19, 2024, the Solicitor General sought and received an extension of time to respond to October 15, 2024. On September 12, 2024, the following groups filed amicus briefs: Cato Institute, Americans for Prosperity Foundation, Competitive Enterprise Institute, Advancing American Freedom, the West Virginia Attorney General (joined by 17 other States). On September 27, 2024, the Solicitor General sought and received on October 1, 2024, a further extension of time to respond to November 14, 2024. The government filed its opposition on November 14, 2024. On January 13, 2025, the Supreme Court denied certiorari.
<i>Magnetsafety.org, Hobby Manufacturers Association; National Retail Hobby Stores Association, Inc. v. CPSC, Case No. 22-9578 (10th Cir.)</i>	On November 18, 2022, Magnetsafety.org, the Hobby Manufacturers Association and the National Retail Hobby Stores Association filed a petition for review in the U.S. Court of Appeals for the Tenth Circuit of the Commission's Safety Standard for Magnets, 87 Fed. Reg. 57756 (September 21, 2022). On March 30, 2023, the government filed a certified list of the administrative record. Petitioners filed their opening brief on April 27, 2023, and a corrected brief on May 1, 2023. On August 22, 2023, Public Citizen, the Constitutional Accountability Center and Physicians filed briefs as amici curiae in support of the Commission's rule. The government filed its brief on August 11, 2023. On September 29, 2023, Petitioners filed a reply brief. On November 7, 2023, the court set argument for January 17, 2024. On November 29, 2023, the court vacated the oral argument date and ordered the matter abated pending the issuance of a decision in <i>Leachco v. CPSC</i> (10th Cir.). On June 4, 2024, the court lifted the order of abatement and ordered simultaneous supplemental briefing on the <i>Leachco</i> decision in the Tenth Circuit. On June 25, 2024 the parties filed a supplemental briefs. An order issued requiring a statement by Petitioners on whether oral argument is necessary. The Petitioners

	<p>requested oral argument. On July 2, 2024, the court scheduled argument for September 26, 2024. On July 9, 2024 Petitioners filed a request for an alternate date for oral argument due to scheduling conflicts. On July 9, 2024, the Tenth Circuit clerk vacated the September 26, 2024 oral argument date for a date to be determined. Oral argument was scheduled for November 20, 2024, in Denver, Colorado. On September 10, 2024, the Tenth Circuit ordered briefing on whether oral argument should be held in abeyance light of the two pending petitions for writ of certiorari in the Supreme Court in Consumers' Research and Leachco. On September 20, 2024, the Petitioners and the government filed responses that oral argument should proceed as scheduled.</p>
<p><i>. Energy Policy Advocates v. Consumer Product Safety Commission, case no. 1:23-cv-590 ACR (D.D.C)</i></p>	<p>On March 3, 2023, plaintiff filed suit in the U.S. District Court for the District of Columbia, seeking gas stove-related records under the FOIA. On May 12, 2023, the government filed an answer. On June 15, 2023, the parties filed an initial status report requesting the court accept the status report in lieu of the scheduling conference, and informed the Court the only pending issue was the adequacy of the agency's search for records. On June 16, 2023, the court ordered the parties to file another joint status report on July 14, 2023. On July 14, 2023, the parties filed a joint status report. The parties again filed joint status reports on February 13, and April 1, 2024. On April 1, 2024, the court issued a minute order requiring that a joint status report or a stipulation of dismissal be filed by May 1, 2024. On May 2, 2024, the parties filed a joint stipulation of dismissal with prejudice because the litigation had been resolved.</p>
<p><i>Heritage Foundation and Mike Howell v. CPSC, civ. No. 23-cv-03783 (D.D.C)</i></p>	<p>Complaint seeking information relating gas stove Freedom of Information Act request. FOIA staff acknowledged receipt in February 2023 and sent an interim response. On January 22, 2024, the government filed an answer to the complaint. On February 8, 2024, the District Court issued a General Order for cases before the District Court Judge. On March 18, 2024, the Court entered a minute order requiring the parties to submit a joint proposed briefing schedule on or before April 15, 2024. The</p>

	<p>Court held a status conference on July 15, 2024. On September 30, 2024, the CPSC staff provided another set of responsive documents.</p>
<p><i>Functional Government Initiative v. CPSC</i>, case no. 1:23-cv-01497-DLF (D.D.C.)</p>	<p>On May 25, 2023, plaintiff filed suit in the U.S. District Court for the District of Columbia, seeking records under the FOIA based on an alleged failure to respond to plaintiff's February 8, 2023, FOIA request, which CPSC staff acknowledged via email on February 10, 2023. On August 21, 2023, the government filed an answer to plaintiff's complaint. On September 11, 2023, the government filed a status report about additional documents produced. On November 9, 2023, the parties filed another joint status report. On November 13, 2023 the court ordered the parties to produce another joint status report on January 14, 2024. The parties filed a joint status report on January 13, 2024. On April 13, 2024, the parties filed another Joint Status Report. The parties filed a joint status report on July 14, 2024.</p>
<p><i>American Watch Association v. CPSC</i>, Case No. 23-1322 (D.C. Cir.)</p>	<p>On November 20, 2023, Petitioner American Watch Association filed a Petition for Review that was docketed in the U.S. Court of Appeals for the District of Columbia Circuit. Petitioner filed a Statement of Issues on December 27, 2023, that generally listed claims under the Administrative Procedure Act and the U.S. Constitution without specificity. On January 11, 2024, the government filed a certified list of the record pursuant to Fed. R. App. P. 17(b). After the D.C. Circuit set a briefing schedule on January 17, 2024, Petitioner filed an unopposed motion to hold the case in abeyance pending settlement discussions. On April 8, 2024, the Petitioner filed a status report advising of ongoing settlement discussions. On June 8, 2024, Petitioner filed another status report advising of ongoing settlement discussions. On July 24, 2024, the Petitioner filed a motion dismissing the action based on a settlement between the parties. On July</p>

	26, 2024, the Court granted the motion and issued a mandate on July 28, 2024, closing the case.
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2) Civil (Affirmative Litigation):

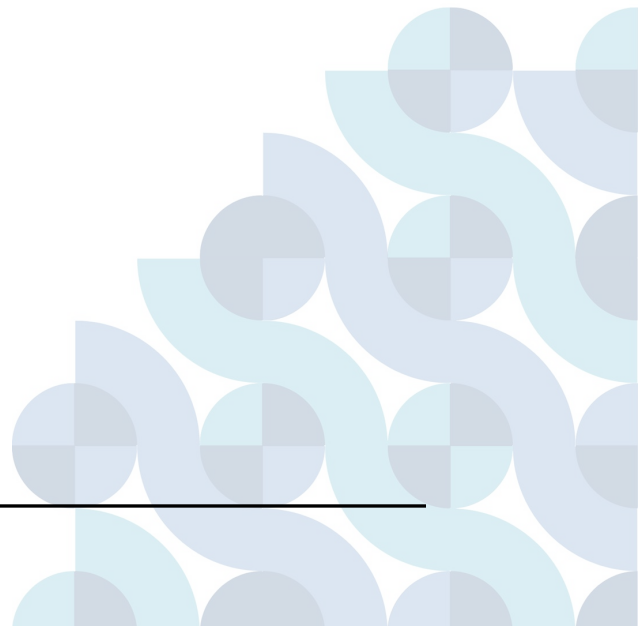
Case	Summary
<p><i>USA v. Sunsetter Products, LP, Case No.1:23-cv-10744 (ADB) (D. Mass.)</i></p>	<p>On April 6, 2023, CPSC and DOJ filed a complaint against Sunsetter seeking civil penalties and injunctive relief for knowingly failing to furnish information to the CPSC about a defect in Sunsetter’s vinyl covers manufactured and sold for use with their retractable awnings. On June 6, 2023, the defendant moved to dismiss the complaint under Fed. R. Civ. P. 12(b)(6). On July 18, 2023, the government filed an opposition to Sunsetter’s motion to dismiss. On August 17, 2023, Sunsetter filed a reply brief. On January 22, 2024, the government filed a notice of persuasive supplemental authority advising the district court of the January 17, 2024, decision of the U.S. Court of Appeals for the Fifth Circuit in <i>Consumers Research v. CPSC</i>. On March 14, 2024, the District Court denied the defendant’s motion to dismiss the case. The District Court granted SunSetter’s unopposed motion for an extension of time to April 18, 2024, to answer the complaint. On April 18, 2024, SunSetter filed its answer to the complaint in this action. On May 21, 2024, the parties filed a Joint Statement and Proposed Scheduling Order. On July 10, 2024, the parties filed a Joint Stipulation and a Proposed Protective Order for Confidential Information, entered by the Court the same day. The parties engaged in discovery throughout 2024.</p>

3) Criminal:

Case	Summary
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<p><i>U.S. v. Simon Chu, and Charley Loh, Case No. 19-CR-00193-DSF (D. Calif.)</i></p>	<p>On March 28, 2019, a grand jury in the U.S. District Court for the Central District of California returned an indictment in connection with the defendants' importation and distribution of defective dehumidifiers. The indictment charged defendants with conspiracy in violation of 18 U.S.C. § 371, knowing and willful failure to report information regarding consumer product safety defects, hazards, and risks in violation of 15 U.S.C. §§ 2068(a)(4) and 2070; wire fraud in violation of 18 U.S.C. § 1343; and aiding and abetting and causing an act to be done in violation of 18 U.S.C. § 2; 15 U.S.C. § 2070(c)(1). The government's indictment also provided notice that it would seek forfeiture as part of any sentence under 18 U.S.C. § 981(a)(1)(C), 21 U.S.C. § 853, and 28 U.S.C. § 2461(c). The defendants were arraigned on November 13, 2019. On January 30, 2023, the defendants filed two separate motions to dismiss counts I and II of the indictment on the grounds that (1) the CPSA section 15(b) reporting requirements are unconstitutionally vague, and (2) the indictment was untimely based on the statute of limitations. On June 26, 2023, the government filed an opposition to each motion. On July 25, 2023, the U.S. district court in California denied motions by the two individual defendants to dismiss counts of their indictments. After a six-day trial beginning on November 7, 2023, the jury returned a verdict on November 16, 2023, finding the defendants guilty of the crime of defrauding the United States by using deceitful or dishonest means to frustrate and obstruct the lawful functions and efforts of the CPSC (18 U.S.C. § 371). The jury also found defendants guilty of knowingly and willfully failing to furnish information required by section 15(b) of the CPSA. Defendants were found not guilty of wire fraud pursuant to 18 U.S.C. § 1343. Defendants filed motions for judgment of acquittal or a new trial on January 11, 2024 (subsequently denied in May 2024). On March 18, 2024, the government filed a Joint Stipulation for a Revised Briefing and Sentencing Schedule. The Court issued an order requiring supplemental briefing including briefing on sentencing and reset the sentencing hearing to July 15, 2024. On July 10, 2024, the Court</p>
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	contacted the parties to continue the July 15, 2024, sentencing date. Sentencing has been reset.
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IV. Public Outreach

The Commission communicates with the public and stakeholders in four key channels to provide timely and targeted information about substantial product hazards and product safety. These channels include:

- A. Consumer outreach;**
- B. Small business outreach;**
- C. Dissemination of technical information; and**
- D. Cooperation between Commission officials and stakeholders.**

A. Consumer Outreach

CPSC staff utilize a wide array of communication channels and strategies to provide timely, targeted information about consumer product safety to the public, industry and other stakeholders. Central elements of staff's communications strategy include improving the accessibility, usefulness, and utility of safety messages using data-driven insights to inform the development of new communication tools and tactics. This strategy includes strengthening collaborations with stakeholders, including other government agencies and nonprofit organizations, and those with an interest in amplifying CPSC's safety messaging.

The Commission's Office of Communications (OCM) issued news releases, including recalls, unilateral product warnings, safety campaigns and civil penalties to better inform American consumers.

CPSC staff also communicates with the public through the CPSC's websites available at:

- www.CPSC.gov
- www.PoolSafely.gov
- www.AnchorIt.gov
- www.SeguridadConsumidor.gov
- www.SaferProducts.gov
- [OnSafety \(cpsc.gov\)](http://OnSafety.cpsc.gov)

Staff also distributes safety information through the CPSC RecallApp as well as [safety education centers](#) which cover topics including:

- In-Home Drowning
- Infant Safe Sleep
- Window Covering Cords
- Fire Safety
- Carbon Monoxide
- AnchorIt.gov
- Poison Prevention
- Drywall

- Holiday Safety
- Older Adult Safety
- Button Cell and Coin Batteries
- COVID-19 Home Safety
- Fuel Containers, Gasoline and Other Liquid Fuel Safety
- Military Consumer Safety

CPSC also uses social media sites ([X.com](#), [Facebook](#), [Instagram](#), [Threads](#), [YouTube](#) – English and Spanish channels, and [SlideShare](#)).

The NSN is a grassroots program that provides timely, lifesaving information to more than 8,000 respected organizations and individuals who, in turn, share the agency’s content with underserved consumers who otherwise might be unlikely to hear or receive this information.

For additional information about the NSN, visit the CPSC website at:
<https://www.cpsc.gov/Safety-Education/Neighborhood-Safety-Network>

The CPSC’s Consumer Hotline (1-800-638-2772) is a toll-free service that allows consumers to report product safety complaints or product-related injuries, learn about recalls and safety hazards, and obtain safety publications by phone or email.

For information about the CPSC’s Hotline, visit the CPSC website at:
<https://www.cpsc.gov/About-CPSC/Contact-Information/>

The National Injury Information Clearinghouse (NIIC) provides product safety data to the public. The NIIC also alerts manufacturers to potential hazards associated with their products by providing them with consumer complaints, reported incidents, and incident investigations involving their products.

For additional information about the NIIC, visit the CPSC website at:
https://www.cpsc.gov/epidemiology/cpsc_epi/clearinghouse.html

Since 2010, the CPSC has run the federal government’s largest and longest-running public education campaign aimed at preventing child drowning and drain entrapments. The *Pool Safely* campaign is a key component of the agency’s continuing implementation of the Virginia Graeme Baker Pool and Spa Safety Act (VGBA). The CPSC has awarded several annual contracts to develop and implement *Pool Safely’s* comprehensive information and education campaign, which teaches pool and spa safety steps that stress prevention by engaging stakeholders as partners at the national and grassroots levels. Child safety experts work on public and residential drowning-prevention programs for parents and children, and industry organizations share VGBA compliance information with pool and spa owners and operators.

B. Small Business Outreach

The CPSC's Small Business Ombudsman's (SBO's) principal mission is to guide small businesses through CPSC's regulatory landscape; to provide them the tools to bring their products into compliance; and to assist them in resolving procedural issues with the agency. The SBO accomplishes this through engagement with trade associations, small batch manufacturers, small businesses, medium and large businesses, state and local governments, other U.S. federal agencies, SDOs, importers, private labelers, testing laboratories, freight forwarders, customs brokers, and even foreign businesses.

During FY 2024, the SBO continued to provide education on how to navigate through the federal consumer product safety laws and regulations. One of the SBO's primary functions is responding to inquiries through its contact form, business line, and email address. In FY 2024, the SBO team received 5,567 total inquiries, which is the most inquiries the SBO has ever responded to in one fiscal year. The total inquiries for FY 2024 were a 39.6% increase when compared to FY 2023.

The SBO manages the CPSC's Regulatory Robot – an online tool designed to guide users through the likely product safety requirements for their product. The SBO continues to provide routine updates to the Regulatory Robot that addresses new product safety rules and updates to existing product safety rules. In FY 2024 33,259 unique users visited the Regulatory Robot, a 11.7% increase from the 2023 total of 29,772 unique users.

The CPSC's Regulatory Robot Tool is available on the CPSC's website at:

<https://business.cpsc.gov>

The SBO also develops and maintains business education pages on CPSC's website. The business education pages provide "Plain English" overviews for CPSC requirements. Each separate rule or requirement generally has its own business guidance and FAQ page. In FY 2024, there were 54 instances in which the SBO provided new and updated content to CPSC's website. Each instance typically includes multiple item updates.

The CPSC's Business Education Pages are available on the CPSC's website at:

<https://www.cpsc.gov/GuidanceLibrary>

To keep stakeholders up to date on recent Commission activity, the SBO sends out a "Monthly Business Education Newsletter." The newsletter provides brief summaries of new and updated rules and requirements, provides information about upcoming SBO trainings or webinars, and links to view recent Commission meetings and briefings. In FY 2024, the subscriber list grew to ~181,000 subscribers, which is up from only 121,837 subscribers in FY 2023. This reflects an

approximate increase in subscribers of 48.6%.

Subscribe to CPSC's Monthly Business Education newsletter at:
<https://www.cpsc.gov/Newsroom/Subscribe>

To reach a diverse population of stakeholders, the SBO provides outreach through a variety of different formats, including: webinars, animated videos, in-person presentations, and visits to trade shows. The SBO's goal is to provide both virtual and in-person outreach events to maximize its overall potential in reaching new stakeholders that require assistance and education with CPSC requirements.

In FY 2024, the SBO conducted 12 virtual outreach events: presentation on the requirements for button cell and coin batteries, webinar on infant sleep products (ISP) and the Safe Sleep for Babies Act (SSBA), webinar on the requirements for button cell and coin batteries, presentation on the ISP and SSBA, joint webinar with Health Canada (HC) on e-commerce, webinar on the Poison Prevention Packaging Act (PPPA), presentation on children's products requirements, presentation on CPSC's labeling requirements, presentation on CPSC small business outreach activities and resources, recorded video on the children's tight-fitting sleepwear and infant garment requirements, presentation on the requirements for candy containers and toys included with candy, and joint webinar with HC and Canada Border Services Agency on the requirements for importing children's toys. The live webinars had 5,012 attendees, and the posted webinars and videos had 7,166 views. The SBO's past webinars and videos can be found in the Business Education playlist on the CPSC's YouTube Channel available at: www.youtube.com/USCPSC.

The SBO also conducted 7 in-person outreach events in FY 2024: Playtime & Kid's Hub New York trade show, presentation on the button cell and coin battery requirements and introduction to SBO resources at the International Consumer Product Health and Safety Organization (ICPHSO) annual meeting and training symposium, presentation on the fireworks and eFiling requirements, presentation on the PPPA requirements, ABC Kids Expo trade show, presentation on compliance programs at the ICPHSO regional safety training workshop, and presentation on the requirements for clothing storage units. The total estimated number of in-person participants and/or interactions is 830.

The SBO completed a total of 19 outreach events, exceeding the SBO's FY 2024 goal by 46%.

The 19 outreach events are detailed below:

1) **Consumer Technology Association (CTA) virtual training event (online)**

CTA hosted an event to discuss their members' questions, mostly manufacturers,

regarding 16 CFR part 1263. The bulk of the questions revolved around the labeling requirements of UL 4200A, particularly the package labeling. 45 attendees were present.

2) **ISP and SSBA Webinar (online)**

The webinar provided an updated overview on infant sleep products and SSBA as a follow-up to the well-received joint webinar with Health Canada in FY23 on the same topic. 193 attendees were present during the live webinar, and the [recorded video](#) had 986 views.

3) **Button Cell and Coin Battery Webinar (online)**

The webinar provided an overview on the various requirements related to button cell and coin battery requirements under Reese's Law and 16 CFR part 1263. This event had the largest registration (732) and attendance for an SBO-hosted event. 460 attendees were present during the live webinar, and the [recorded video](#) had 4,048 views.

4) **Presentation of ISP/SSBA Requirements to State Designees (online)**

CPSC's Division of Field Investigation (CFI) invited SBO to present on the requirements for infant sleep products and SSBA to CPSC's various state designee contacts around the country. 50 attendees were present.

5) **Playtime & Kid's Hub New York (New York, NY)**

SBO staff attended Playtime & Kid's Hub New York, which is a business-to-business children's product trade show that primarily focuses on children's clothing and sleepwear. SBO staff individually spoke with exhibitors at the show to provide information about SBO and answer questions about CPSC requirements. Approximately 200 exhibitors were present, and the SBO team had approximately 100 interactions.

6) **ICPHSO Annual Meeting and Training Symposium (Orlando, FL)**

SBO staff introduced the resources made available by SBO to stakeholders and a brief rundown on the requirements related to Reese's Law. Approximately 150 attendees were present.

7) **American Pyrotechnics Association Winter Education Conference (Las Vegas, NV)**

SBO staff gave a presentation about CPSC's fireworks requirements and

certification/eFiling proposed rule. Approximately 40 attendees were present.

8) **Regulatory Roundup: E-Commerce Outreach (online)**

Health Canada and CPSC staff jointly hosted the first of two webinars to the e-commerce community with a primary focus on e-commerce retailers and platforms. 308 attendees were present during the live event, and the recorded video (de-listed after 30 days of posting due to Health Canada's procedures) had 1,185 views.

9) **Poison Prevention Packaging Act Webinar (online)**

As part of the Poison Prevention Week, SBO provided an overview of the PPPA and related requirements. 39 attendees were present during the live event, and the [recorded video](#) had 779 views.

10) **Safe-non-food Consumer Products in the EU and China (SPEAC) (online)**

SPEAC was an all-day training seminar in Shenzhen, China, where SBO staff provided a webinar covering consumer product safety requirements, with a focus on children's products. Topics included labeling and certification requirements. 3,533 attendees were present.

11) **PLI Manufacturing & Consumer Products Law Institute (online)**

SBO staff was a presenter at PLI's all-day conference that specializes in educating attorneys. SBO's presentation focused on the most common CPSC labeling requirements and was broken up into two main sections: (1) children's product labeling, and (2) hazardous substances labeling. Approximately 100 attendees were present.

12) **Small Business Administration/CPSC/Army Webinar to Small Business Development Centers (online)**

SBO staff joined the SBA National Ombudsman in a webinar presentation with the U.S. Army Office of Small Business Programs to discuss CPSC small business outreach activities and resources. 72 attendees were present.

13) **2024 Child Resistant Packaging Today Seminar (Alexandria, VA)**

Perritt Laboratories hosts an annual seminar on the requirements, regulations, and intricacies of today's child-resistant packaging. SBO's portion of the event provided the PPPA and related certification requirements in detail. The questions received revolved around retesting, certification, and Reese's Law. 15 attendees were

present.

14) ABO Kids Expo (Las Vegas, NV)

SBO staff attended ABC Kids Expo, a B2B trade show that includes exhibitors of children's durable infant and toddler products, apparel, and child-care accessories. SBO staff went booth-to-booth answering questions from exhibitors about CPSC requirements. Approximately 435 exhibitors were present, and the SBO team had approximately 155 interactions.

15) Children's Tight-Fitting Sleepwear and Infant Garments (video)

SBO staff worked closely with EXHR and OCM to produce a comprehensive overview of the requirements for tight-fitting sleepwear and infant garments, including measurement photos/videos. The [video](#) had 1,151 views.

16) National Confectioner's Association (NCA) presentation (online)

A presentation requested by the NCA (via the Chair's Office) to discuss CPSC rules and requirements that may apply to candy makers. The session covered the FDA/CPSC MOU and jurisdictional lines, product examples and recalls, CPSC requirements for candy containers and packaging, and requirements for toys and general-use products included with candy. Approximately 40 attendees were present.

17) ICPHSO North America Product Safety Training Workshop (Bentonville, AR)

SBO staff participated in a panel focused on best practices and steps companies can take to be prepared in the event of a product safety issue. Besides SBO, the panel included an attorney to moderate the panel, a consumer advocate, a manufacturer/retailer, and an international product safety consultant. Approximately 250 attendees were present.

18) Ohio Furniture Guild presentation (Millersburg, OH)

SBO has had a number of inquiries from this group that represents a wide variety of manufacturers, including those small custom furniture manufacturers as well as those with limited access to technology (e.g., local Amish woodworkers). The presentation focused on labeling and certification requirements for clothing storage units. Approximately 160 attendees were present.

19) Regulatory Roundup: Children's Toys (online)

This is the second of two planned sessions and a follow-up to the February event

and included CPSC staff, as well as representatives from Health Canada and CBSA. This session focused on the requirements for children's toys and importing processes and procedures for the US and Canada. 217 attendees were present for the live event, and the recorded video (de-listed after 30 days of posting due to Health Canada's procedures) had 202 views.

C. **Dissemination of Technical Information**

As part of the CPSC staff's research activities and other support work, the Office of Hazard Identification and Reduction develops many workshops, technical reports, abstracts, and presentations to share staff's findings and ideas. These documents are very useful to other researchers and to industry. The technical reports listed in this section were developed in fiscal year 2024.

For a detailed listing of the Technical Reports, visit the CPSC website at:
<https://www.cpsc.gov/research-and-reports-overview>

Publications

- Matthias Herzler, Jaleh Abedini, David G. Allen, Dori Germolec, John Gordon, Hon-Sum Ko, Joanna Matheson, Emily Reinke, Judy Strickland, Hermann-Josef Thierse, Kim To,
- James Truax, Jens T. Vanselow, Nicole Kleinstreuer. (2024). Use of human predictive patch test (HPPT) data for the classification of skin sensitization hazard and potency. *Arch Toxicol* 98, 1253–1269 (2024). <https://doi.org/10.1007/s00204-023-03656-4>
 - Hasan F, Potter PM, Al-Abed SR, Matheson J, Lomnicki SM. 2024. Investigating environmentally persistent free radicals (EPFRs) emissions of 3D printing process. *Chemical Engineering Journal* 480: 1-6.
 - Mariana T Farcas, Walter McKinney, W Kyle Mandler, Alycia K Knepp, Lori Battelli, Sherri A Friend, Aleksandr B Stefaniak, Samantha Service, Michael Kashon, Ryan F LeBouf, Treye A Thomas, Joanna Matheson, Yong Qian, 2024. Pulmonary evaluation of whole-body inhalation exposure of polycarbonate (PC) filament 3D printer emissions in rat. *Journal of Toxicology and Environmental Health, Part A*. 87(8): 325-341.
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 - Genesis L Tolbert, Ryan Kolaitis, Treye Thomas, Joanna Matheson, Justin G Clar, 2024.

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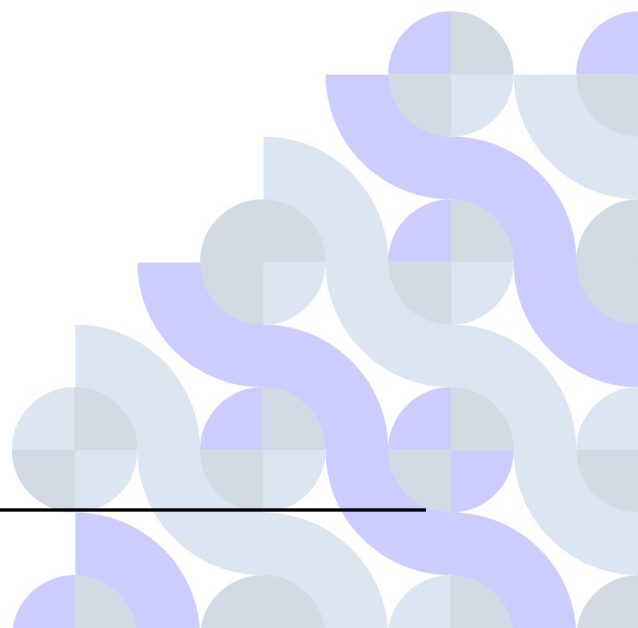
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- J. Matheson. Presenter and panelist: SOT/EUROTOX Roundtable “Is Mixture Risk Assessment Now Established Regulatory Practice?” Society of Toxicology Annual Meeting, March 12, 2024.
- J. Matheson, T. Thomas. Keynote Presentation: “Overview of the Health and Safety Implications of Advanced Materials Used in Additive Manufacturing/3D Printing”. Organisation for Economic Cooperation and Development (OECD) Working Party on Manufactured Nanomaterials (WPMN) Workshop on 3D Printing, June 25, 2024.
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D. Cooperation Among Commission Officials and External Stakeholders

During FY 2024, the Commissioners and staff of CPSC held meetings with consumers, industry, and the public on matters related to the CPSC’s mission. CPSC’s Meetings Policy requires Commissioners and CPSC staff to: (1) announce meetings in advance on the Public Calendar; (2) hold meetings that are open to the public, unless certain specified exceptions apply; and (3) submit meeting summaries to the Division of the Secretariat, if the meetings relate to matters that are likely to be the subject of a regulatory or policy decision by the Commission.

For a detailed listing of the meetings from the Public Calendar, visit the CPSC website at: <https://www.cpsc.gov/Newsroom/Public-Calendar>



V. INTERGOVERNMENTAL COORDINATION

The Commission works with many government agencies – local, state, and federal – over the course of a year. This section describes the significant coordination the CPSC staff has had with other governmental organizations. Specifically, this section provides information on: (1) a major state-supported safety initiative for the Virginia Graeme Baker Pool and Spa Safety Act and Recall Effectiveness Check Program; (2) the Commission’s efforts coordinating with state and local programs; and (3) significant communication with other governmental agencies and offices, including any notification under section 218 of the CPSIA. In FY 2024, no state or local official filed a written notice to the Commission under section 218 of the CPSIA.

A. Major State-Supported Safety Initiatives

- **Virginia Graeme Baker Pool and Spa Safety Act (VGBA):** The VGBA affects public pools and spas nationwide, and the Commission’s enforcement of the Act requires the cooperation of state and local agencies. In 2024, field staff provided states an enforcement letter about complying with the Virginia Graeme Baker Pool and Spa Safety Act, 1515 U.S.C. § 8001 et seq., by ensuring that compliant pool drain covers and secondary anti-entrapment systems are installed to prevent injury or death of pool and spa users.
- **Recall Effectiveness Check Program:** The CPSIA made it a prohibited act to sell, offer for sale, manufacture for sale, distribute in commerce, or import a product that has been subject to a voluntary corrective action about which the Commission has notified the public. In 2024, state and local officials conducted inspections of distributors and retailers to determine compliance with their corrective action plans in order to better ensure the removal of recalled products from commerce.

B. State and Local Programs

Section 29(a) of the CPSA requires that the Commission establish a program to promote federal- state cooperation to carry out the Act. The goal of the program is to reduce consumer product-related deaths and injuries by leveraging staff resources through cost-effective cooperation with state and local governments. CPSC staff took part in the following activities in 2024:

- 1) Supported states through technical assistance and participation in national conferences.

- 2) Educated states about CPSC’s authorities to facilitate referrals to CPSC involving potentially hazardous products.
- 3) Conducted over 460 outreach activities, including conducting product safety presentations and providing CPSC safety resources to a variety of audiences, such as state and local fire departments, police departments and safety groups nationwide.
- 4) Provided state officials and their constituents, including underserved communities, CPSC safety resources related to carbon monoxide safety, fire safety, pool safety, safe sleep, older consumer safety, tip-over safety, and other hazards.
- 5) Participated in regional fire safety summits with national fire organizations and state fire officials to promote fire safety.
- 6) Conducted training calls with state officials to review CPSC recalls, injury statistics, mandatory rules, and educational resources.
- 7) Assigned compliance and post-recall activities to the states. The table below provides the number of CPSC assignments made to state officials and completed during the year 2024.

Distribution of Assignments to State Officials Completed

Type of Assignments	No. of Assignments
State Inspections	91
State Recall Checks	305
Total	396

C. Communication under Section 218 of the CPSIA

In 2024, the Commission received no significant communications under section 218 of the CPSIA

D. International Training Activity

As part of a strategy for addressing the growing complexity and risk entailed within additional global sources of production, the CPSC’s Office of International Programs (EXIP) works to prevent hazardous and noncompliant consumer products from being exported to the United States through outreach and training abroad. EXIP works with U.S. trading partners at the outset of the manufacturing process to increase their ability to produce products that comply with U.S. safety requirements. The agency also trains buyers and sourcing professionals who

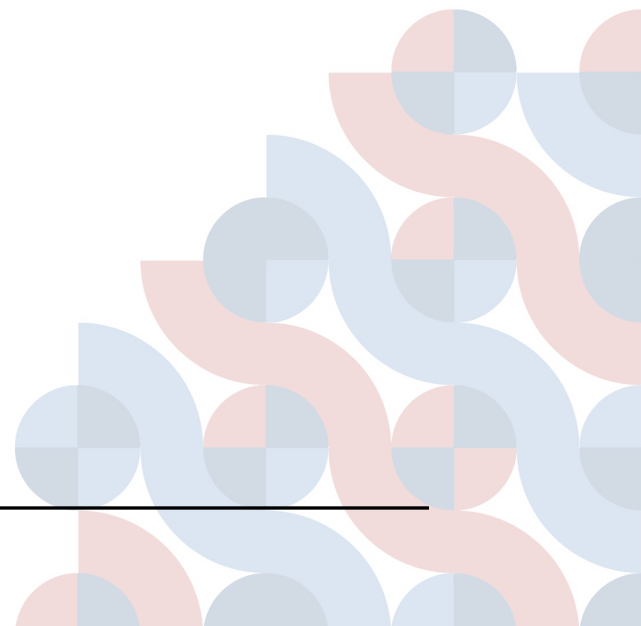
procure consumer products for U.S. importers. Outreach activities also include training foreign regulators on best practices to help them eliminate unsafe products from their jurisdictions, thus, reducing the chances those products will find their way to the United States. The table below is a summary of international training activities completed by EXIP in FY2024.

2024 International Training/Briefings Activities Summary	
Number of different trainings/briefings* conducted for foreign groups/audiences	23
Number of trainings/briefings for foreign-located industry	11
Number of trainings/briefings for foreign government entities	20
Number of industry representatives trained/briefed	6,073
Number of government officials trained/briefed	79,049
Number of people trained/briefed**	85,122
Number of different foreign jurisdictions receiving training/briefing	24
Number of trainings/briefings conducted in-person abroad***	5
Number of different training/briefings conducted in-person at CPSC Headquarters	1
Number of electronic/remote trainings/briefings for foreign attendees***	21

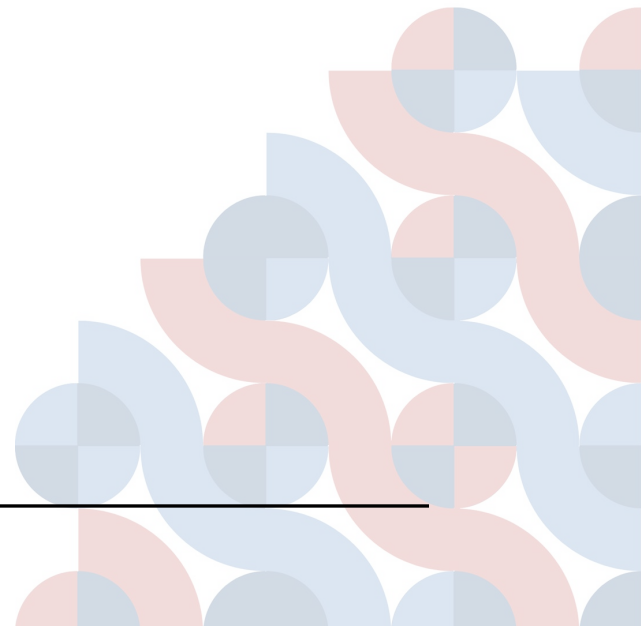
**Briefing as used here is a focused event in a business meeting format, intended to convey or explain CPSC procedures or best practices.*

***Data above does not include thousands of foreign views of recorded sessions from CPSC's servers and from the U.S. Embassy's media account in China.*

****Includes hybrid trainings.*



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UNITED STATES CONSUMER
PRODUCT SAFETY COMMISSION



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