



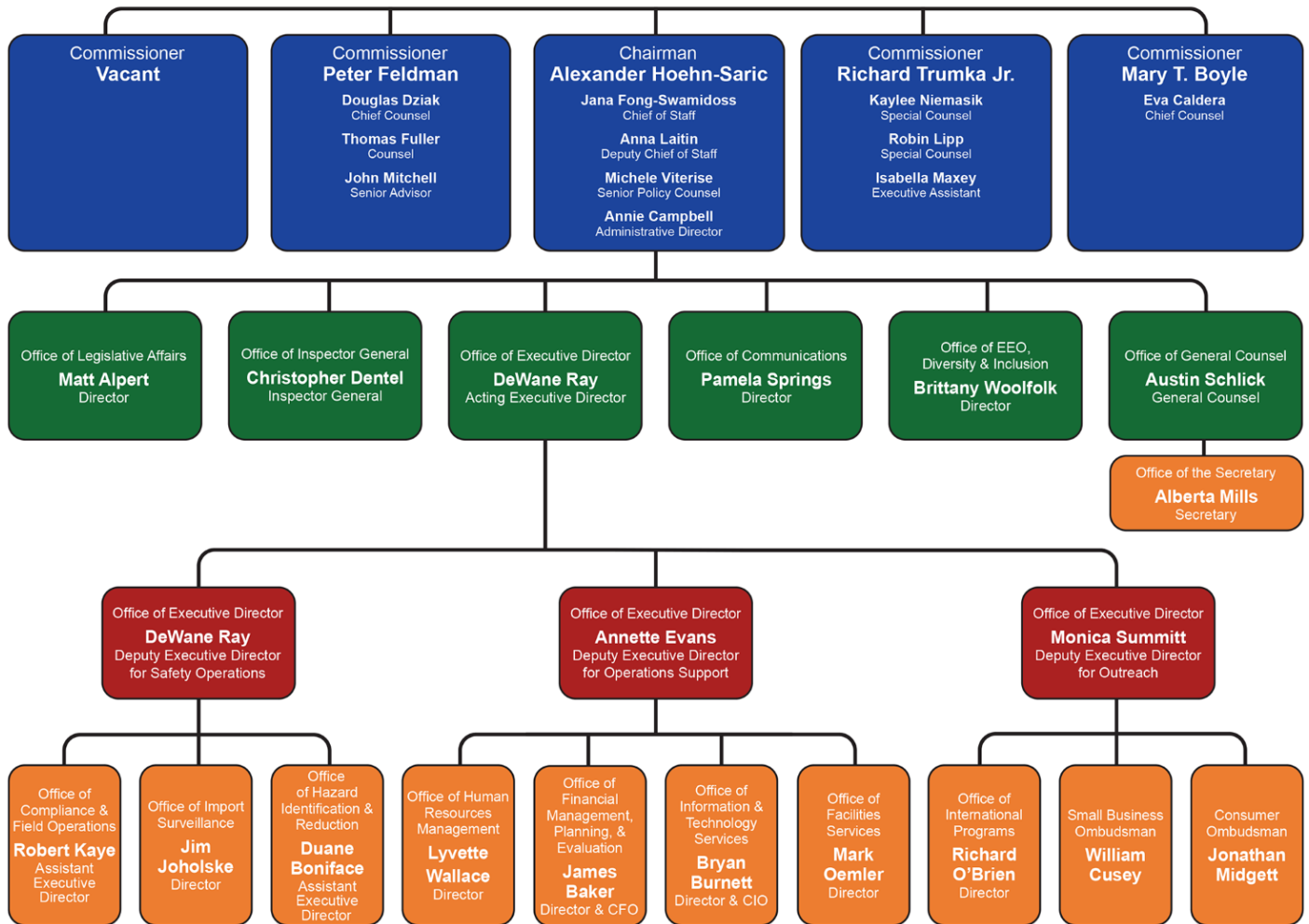
2023 ANNUAL REPORT

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.

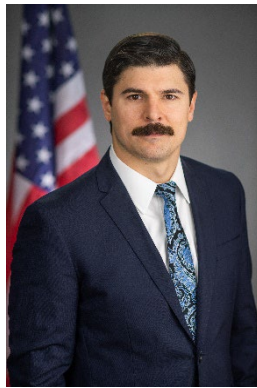
United States Consumer Product Safety Commission



Chair
Alexander Hoehn-Saric



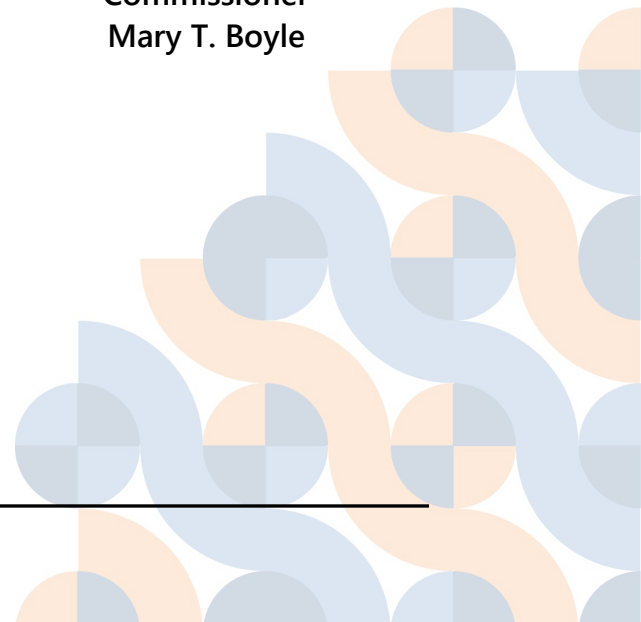
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Report to the President and Congress Pursuant to Section 209 of the Consumer Product Safety Improvement Act of 2008

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 2023 (2023).

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 a goal that is not without challenges. Staff continues to fulfill this vital charge despite these challenges 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.

Additional information regarding the external factors affecting the agency's ability to implement its Strategic Plan can be found on CPSC'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.

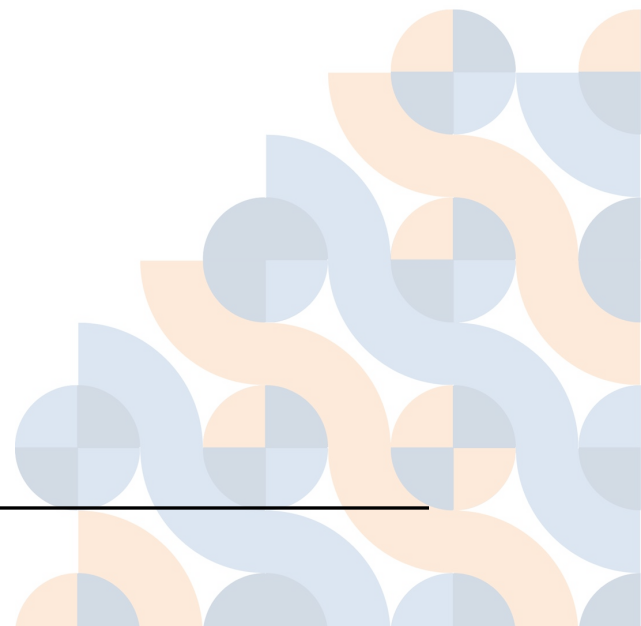


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www.cpsc.gov/About-CPSC/Agency-Reports/Annual-Reports/

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 Effects to the Population” 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 resource constraints, 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 provides a means for estimating the magnitude of consumer product-related injuries in the United States, but they also serve as a resource for gathering additional information concerning the nature and potential cause 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 causality.

Cost of Product-Associated Injuries (TABLE 4): To estimate the costs of hospital ED-treated consumer product injuries, CPSC staff employ the 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.

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

OCTOBER 1, 2020 – SEPTEMBER 30, 2021

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	31	31	0	0	0
Toys	8	3	1	3	1
Sports and Recreational Activities and Equipment	1,780	184	361	807	428
Home Communication, Entertainment, and Hobby Equipment	13	0	5	7	1
Personal Use Items	110	17	6	29	58

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/safety-commission/safety-commission-revised-injury-cost-model-2018)

²Product Groups detailed in section E.

Product Group ²	Deaths Associated with the Use of Certain Consumer Products				
	Total	Under 5	5-24	25-64	65 and Over
Packaging and Containers for Household Products	124	4	8	93	19
Yard and Garden Equipment	128	4	6	47	71
Home Workshop Apparatus, Tools, and Attachments	45	5	2	25	13
Home and Family Maintenance Products	218	2	11	198	7
General Household Appliances	35	0	1	9	25
Space Heating, Cooling, and Ventilating Appliances	99	3	7	47	42
Housewares	25	0	1	11	13
Home Furnishings and Fixtures	1,383	554	74	472	283
Home Structures and Construction Materials	144	41	11	51	41
Miscellaneous	116	1	19	71	25

Source: CPSC Death Certificate Project, as of 11/1/23

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

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

OCTOBER 1, 2021 – SEPTEMBER 30, 2022³

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).

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.

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	89,353	70,876	5,716	10,027	2,734
Toys	181,138	72,818	72,795	28,629	6,895
Sports and Recreational Activities and Equipment	3,610,580	167,706	2,091,499	1,090,591	260,784
Home Communication, Entertainment, and Hobby Equipment	229,947	18,972	59,167	97,292	54,515
Personal Use Items	744,287	131,369	182,297	274,358	156,263
Packaging and Containers for Household Products	393,388	45,458	80,630	188,848	78,452
Yard and Garden Equipment	272,078	4,896	30,882	144,728	91,572
Home Workshop Apparatus, Tools, and Attachments	291,842	12,499	45,615	178,056	55,671
Home and Family Maintenance Products	172,238	29,043	33,863	83,491	25,841
General Household Appliances	143,335	13,185	23,239	60,362	46,549
Space Heating, Cooling, and Ventilating Appliances	102,278	13,513	20,613	45,709	22,443
Housewares	655,018	43,719	173,220	347,007	91,072
Home Furnishings and Fixtures	2,975,948	479,801	394,184	927,335	1,174,627
Home Structures and Construction Materials	3,889,788	392,075	632,455	1,387,355	1,477,902
Miscellaneous	282,201	38,826	80,808	108,987	53,581

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

⁴ Product Groups detailed in section E.

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

OCTOBER 1, 2021 – SEPTEMBER 30, 2022⁵

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.

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	13
Toys	4	3	3	4	18
Sports and Recreational Activities and Equipment	7	5	4	10	25
Home Communication, Entertainment, and Hobby Equipment	10	3	3	7	25
Personal Use Items	11	9	3	8	25
Packaging and Containers for Household Products	8	7	3	5	29
Yard and Garden Equipment	13	5	5	10	20
Home Workshop Apparatus, Tools, and Attachments	7	11	6	6	11
Home and Family Maintenance Products	7	4	3	6	18
General Household Appliances	13	6	3	8	26
Space Heating, Cooling, and Ventilating Appliances	11	4	4	11	19
Housewares	5	8	2	4	13
Home Furnishings and Fixtures	18	3	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	4	14	38
Miscellaneous	10	7	4	10	22

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, 2021–SEPTEMBER 30, 2022
(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	\$17,287	\$13,632	\$661	\$2,471	\$523
Toys	\$20,766	\$6,708	\$6,591	\$5,689	\$1,778
Sports and Recreational Activities and Equipment	\$701,181	\$23,282	\$286,564	\$318,255	\$73,080
Home Communication, Entertainment, and Hobby Equipment	\$42,805	\$2,100	\$5,538	\$20,347	\$14,821
Personal Use Items	\$116,709	\$10,820	\$14,081	\$53,683	\$38,125

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/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.

Product Group ¹⁰	Estimates of the Cost of Emergency Department-Treated Consumer Product Injuries				
	Total	Under 5	5-24	25-64	65 and Over
Packaging and Containers for Household Products	\$74,646	\$3,688	\$7,060	\$45,637	\$18,261
Yard and Garden Equipment	\$62,551	\$612	\$3,969	\$36,821	\$21,149
Home Workshop Apparatus, Tools, and Attachments	\$46,399	\$1,532	\$5,168	\$30,408	\$9,291
Home and Family Maintenance Products	\$24,708	\$2,004	\$2,811	\$14,571	\$5,321
General Household Appliances	\$34,753	\$2,075	\$3,285	\$15,981	\$13,411
Space Heating, Cooling, and Ventilating Appliances	\$21,625	\$1,693	\$2,507	\$12,092	\$5,333
Housewares	\$67,510	\$5,684	\$11,330	\$35,955	\$14,541
Home Furnishings and Fixtures	\$768,476	\$69,574	\$47,061	\$295,453	\$356,388
Home Structures and Construction Materials	\$1,057,008	\$65,919	\$82,628	\$409,721	\$498,740
Miscellaneous	\$60,884	\$7,191	\$10,743	\$29,661	\$13,289

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

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 Waxes</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 2023:

1. Button Cell or Coin Batteries and Consumer Products Containing Such Batteries: On September 8, 2023, the Commission voted to determine that UL 4200A-2023 meets the performance and labeling requirements in section 2(a) of Reese's Law (15 U.S.C. 2056e(a)) by approving publication of a Federal Register notice (FRN) containing the Commission's determination regarding UL 4200A-2023 and a direct final rule incorporating by reference UL 4200A-2023 as the Safety Standard for Button Cell or Coin Batteries and Consumer Products Containing Such Batteries, to be codified at 16 C.F.R. part 1263.
2. Inclined Sleepers for Infants: On August 4, 2023, the Commission voted to approve publication of an FRN codifying inclined sleepers for infants as a banned hazardous product at 16 C.F.R. part 1310 pursuant to the Safe Sleep for Babies Act of 2021.
3. Clothing Storage Units: On October 19, 2022, the Commission voted to approve staff's draft final rule for clothing storage units and publish the same in the *Federal Register*. Additionally, on April 19, 2023, the Commission voted to determine that ASTM F2057-23

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

satisfies the requirements of STURDY § 201(d) and to publish staff's draft direct final rule in the Federal Register.

4. Substantial Product Hazard List: Window Covering Cords: On November 2, 2022, the Commission voted to deem hazardous window covering cords as a substantial product hazard under section 15(j) of the CPSA, and publication of the same in the *Federal Register*.
5. Operating Cords on Custom Window Coverings: On November 2, 2022, the Commission voted to establish a safety standard for operating cords on custom window coverings, under sections 7 and 9 of the CPSA, as amended, and publication of the same in the *Federal Register*.
6. Marking of Toy, Look-Alike, and Imitation Firearms: On, April 11, 2023, the Commission voted to approve publication of an FRN, to issue a direct final rule that would create a new 16 CFR part 1272 that adopts the existing Department of Commerce rule for the marking of toys, look-alike, and imitation firearms with only non-substantive and conforming changes.
7. Gates and Enclosures: On October 13, 2022, the Commission voted to approve publication of an FRN, to issue a direct final rule to update the ASTM standard incorporated by reference in the Safety Standard for Gates and Enclosures codified at 16 CFR part 1239, to reflect the most recent version of the ASTM standard, ASTM F1004-22.
8. Children's Gasoline Burn Prevention: On October 28, 2022, the Commission voted to approve publication of an FRN, and direct staff to evaluate the safety impact of the recently approved changes, seek continual improvement of the standard within ASTM, and report to the Commission on such efforts within 180 days. ASTM F2517-22e1.
9. Adult Portable Bed Rails: On July 5, 2023, the Commission voted to approve publication of an FRN, to issue a final rule to address the risk of entrapment associated with adult portable bed rails, pursuant to section 7 and 9 of the Consumer Product Safety Act. The draft final rule establishes performance requirements for adult portable bed rails with a 30-day effective date following publication of the final rule in the *Federal Register*.
10. Crib Bumpers: On August 4, 2023, the Commission voted to approve publication of an FRN, to codify crib bumpers as a banned hazardous product at 16 C.F.R. part 1309 pursuant to the Safe Sleep for Babies Act of 2021.

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 2023:

1. **Infant Walkers:** On November 16, 2022, the Commission voted to approve publication of an FRN, to issue a direct final rule to update the ASTM standard (ASTM F977-07) incorporated by reference in the Safety Standard for Infant Walkers.
2. **Non-Full-Size Cribs:** On February 22, 2023, the Commission voted to accept ASTM F406-22 as the new mandatory standard for Non-Full-Size cribs and to direct CPSC staff to publish an FRN revising the version of the standard incorporated by reference in 16 CFR part 1220.
3. **Bedside Sleepers:** On April 28, 2023, the Commission voted to accept ASTM F2906 – 23 as the new mandatory standard for bedside sleepers and publish the draft FRN to revise the version of the standard incorporated by reference in 16 CFR part 1222.

The Commission voted to approve publication of the following proposed rules in 2023:

1. **Information Disclosure:** The Commission voted to approve publication of an FRN, to announce a proposed rulemaking (NPR) to amend 16 CFR parts 1000.5, 1000.8, 1025.17, 1051, 1052 and 1502 to include additional requirements for disclosure of financial interests by parties or participants when presenting oral testimony, requesting rulemaking before the Commission, or participating in an adjudicative proceeding.
2. **Nursing Pillows:** The Commission voted to approve publication of an FRN, to issue a notice of proposed rulemaking to establish a consumer product safety standard for nursing pillows.
3. **All-Terrain Vehicles:** The Commission voted to approve publication of an FRN to update the mandatory consumer product safety standard for All-Terrain Vehicles and seek additional comments from stakeholders.
4. **Portable Generators:** The Commission voted to approve a draft SNPR that proposes limiting CO emissions from portable generators and requires generators to shut off when specific emissions levels are reached, and to publish the same in the *Federal Register*.

The Commission voted to approve publication of the following additional items in 2023:

1. **Debris Penetration of Recreational Off-Highway Vehicles:** The Commission voted to approve publication of an FRN, announcing the availability of a report from SEA, Ltd.,

“Study of Debris Penetration of Recreational Off-Highway Vehicle (ROV) Proof of Concept (POC) Floorboard Guards.” The notice also describes how the report may be used as part of CPSC’s rulemaking to address debris penetration hazards associated with ROVs and Utility Task/Terrain Vehicles (UTVs) and seeks comment from the public on the report.

2. **Mattress Flammability:** The Commission voted to approve publication of an FRN, to announce a public meeting regarding the Standard for the Flammability of Mattresses and Mattress Pads, 16 C.F.R. part 1632.

The Commission voted to terminate the following rulemaking in 2023:

1. **Adjudicative Proceeding Rules:** On September 19, 2023, the Commission voted to approve publication of an FRN, to announce termination of the rulemaking for proposed revisions to the Commission’s Rules of Practice for Adjudicative Proceedings, which has been inactive since 2016.

The Commission voted to approve publication of the following petitions in 2023:

1. **Sidewalk Bicycles:** The Commission voted to approve publication of an FRN notice.

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 summary from the VSTAR 2023 annual report is provided below for convenience.

A copy of the 2023 annual report can be found on the CPSC website at: <https://www.cpsc.gov/s3fs-public/FY23-Annual-VSTAR-final.pdf?VersionId=9PiA1wL3LaFBy2TKzQC2layf.Ro9oMTf>

A list of the 41 new or revised voluntary safety standards that CPSC staff was actively engaged in developing and that were approved and/or published during FY 2023 is below.

Product	SDO	Designation
Standard Test Methods for Measurement of Torque Retention for Child Resistant and Non-Child Resistant Packages with Continuous Thread Closures Using Automated Torque Testing Equipment	ASTM	D7860-14(2022)

Single and Multiple Station Carbon Monoxide Alarms	ULSE	UL 2034
Single and Multiple Station Smoke Alarms	ULSE	UL 217
Standard Consumer Safety Specifications for Bedside Sleepers	ASTM	F2906-22
Standard Consumer Safety Specifications for Non-Full-Size Baby Cribs/Play Yards	ASTM	F406-22
Standard Guide for Selective Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) Emission Testing Methods to Determine Emission Parameters for Modeling of Indoor Environments	ASTM	D8141-22
Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment	ASTM	F1292-22
Flammable Refrigerators	ULSE	UL/CSA 60335-2-40
Standard Guide for Tiered Approach to Detection and Characterization of Silver Nanomaterials in Textiles	ASTM	E3025-22
Standard for Safety of Corded Window Covering Products	WCMA	ANSI/WCMA A100.1-2022
Standard Terminology Relating to Amusement Rides and Devices	ASTM	F747-22
Standard Consumer Safety Specification for Expansion Gates and Expandable Enclosures	ASTM	F1004-23
Standard Consumer Safety Specification for Bedside Sleepers	ASTM	F2906-23
Standard Safety Specification for Clothing Storage Units	ASTM	F2057-23
Standard Consumer Safety Specification for Infant Bedding and Related Accessories	ASTM	F1917-23
Standard Specification for Bicycle Grips	ASTM	F2793-14 – (2023)
Carbon Monoxide (CO) Emission Rate of Portable Generators	ULSE	UL 2201
American National Standard for Public Pool and Spa Operations and Maintenance	PHTA	PHTA-2
American National Standard for Multipurpose Off-Highway Utility Vehicles	OPEI	B71.9
Standard for Safety for the Evaluation of Autonomous Products	ULSE	UL 4600
American National Standard for Recreational Off-Highway Vehicles	ROHVA	1-2023

American National Standard for Four Wheel All-Terrain Vehicles (ATVs)	SVIA	SVIA
Standard Test Method for Determination of Low-Level Phthalates in Poly(Vinyl Chloride) Plastics by Solvent Extraction – Gas Chromatography/Mass Spectrometry	ASTM	D8133-23
Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment	ULSE	UL 8400
Electric Heating Appliances	ULSE	UL 0499
Standard Specification for Performance of Flame Mitigation Devices Installed in Disposable and Pre-Filled Flammable Liquid Containers	ASTM	F3429/F3429M-23
Standard Performance Specification for Tipover Restraint(s) Used with Clothing Storage Unit(s)	ASTM	F3096-23
Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers	ULSE	UL 2904
Outdoor Cooking Specialty Gas Appliances	CSA	CSA/ANSI Z21.89-23/CSA 1.18-2023
Flammable and Combustible Liquids Code	NFPA	NFPA 30
Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices	ASTM	F770-23
Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices	ASTM	F1193-23
Standard Practice for Design of Amusement Rides and Devices	ASTM	F2291-23
Standard Consumer Safety Specification for Recreational Powered Scooters and Pocket Bikes	ASTM	F2641-23
Standard Specification for Fire Safety for Candles	ASTM	F2417-23
Products Incorporating Button Cell Batteries of Lithium and Similar Technologies	ULSE	UL 4200A Ed. 1
Standard for Safety for Ground-Fault Circuit-Interruption	ULSE	UL 943 Ed. 5
Standard Specification for Fitness Equipment	ASTM	F2276-23
Standard Consumer Safety Performance Specifications for Motorized Partitions	ASTM	F3660-23
Standard Practice for Design of Amusement Rides and Devices	ASTM	F2291-23b

From October 1, 2022, to September 30, 2023, CPSC staff provided technical support, or was otherwise engaged in the development of voluntary safety standards for 86 different products, which are described in the VSTAR 2023 annual report.

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 "2022 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/s3fs-public/OHV-Annual-Report-2022.pdf?VersionId=Y8Ep5WxXynYov5CtkWuGf311Xfw5TgOf>

2. **ATV roll over protection and stability:** CPSC staff has contracted to research and develop an ATV rollover simulator. The contractor's test facility accurately induces lateral acceleration on an ATV and test dummy to produce a rollover event. In 2019, CPSC staff published the report:

- [ATV Rollover Tests and Verification of a Physical Rollover Simulator](#)

Staff continued contracting to test and evaluate Occupant Protection Devices (OPDs) used in Australia. These devices were tested on the Rollover Simulator and in 2020, CPSC staff published the results of these test:

- [Rollover Tests of ATVs Outfitted with Occupant Protection Devices \(OPDs\).](#)

The contractor developed OPDs to enhance performance of the existing products. These results were published in 2022:

- [CPSC Staff Statement on SEA, Ltd. Report "Rollover Tests of ATVs Outfitted with Proof-of-Concept Occupant Protection Devices \(OPDs\)"](#)

In 2022, CPSC staff contracted to evaluate the use of Anti-lock Brake Systems (ABS) and Electronic Stability Control (ESC) systems on ATVs. ESC has been shown to improve stability in onroad vehicles, and staff is interested in exploring the potential use in off-road vehicles. In 2022, CPSC staff published the following reports:

- [Evaluation of Anti-lock Brake System \(ABS\) Technology on ATV Stability – Results from Tests on Two 2021 Model Year Vehicles](#)
- <https://www.cpsc.gov/s3fs-public/SEAReporDevelopmentofProofofConceptPOCElectronicStabilityControlSystemforATVs.pdf?VersionId=bHw7fPflsjO0HugwRDzpyDCsABLa6ZZe>

In 2023, CPSC staff contracted to develop refine the ESC algorithm and fully demonstrate effectiveness and drivability of an ATV ESC system. The final report is scheduled to be completed in 2024. The contractor also conducted a literature search on commercially available automotive collision mitigation systems and their potential applicability to ATVs. This literature search report has been completed and will be cleared for posting on the CPSC website.

- 3. Age Determination Guidelines Update:** Agency staff continued work with the National Institute of Child Health and Human Development (NICHD) under an interagency agreement to update the 2002 Age Determination Guidelines for children’s toys. NICHD conducted a literature review and formulated and executed a study design that rigorously evaluated the age appropriateness of toys. The study design involved observing 243 children interacting with toys in nine different categories. NICHD provided the final deliverables for staff review in December 2017. In 2020, staff published an update to the Age Determination Guidelines.
- 4. 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 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.
- 5. 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 – 2019 Annual Estimates” is available on the CPSC website at:

- <https://www.cpsc.gov/s3fs-public/NonFireCarbonMonoxideDeathsAssociatedwiththeUseofConsumerProducts2019AnnualEstimates.pdf?VersionId=90WCZoH61aVUrTgDtOo16LLKZf1EeH3E>

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, 2011-2021” is available on the CPSC website at:

- <https://www.cpsc.gov/s3fs-public/Fatal-Incidents-Associated-with-Non-Fire-Carbon-Monoxide-Poisoning-from-Engine-Driven-Generators-and-Other-Engine-Driven-Tools-2011-2021.pdf>

- 6. Child Strength Study:** Over the past five years, CPSC staff contracted with the University of Michigan Transportation Research Institute (UMTRI) to collect strength data

for children age five years old and younger. Completed research includes collection of general strength measures such as the child's push and pull force, hand grip and twisting force, leg force, and bite force and a product-specific child climbing study to determine forces a child exerts on a dresser while climbing. Ongoing research includes postural analysis, comparison of general strength measures to product-specific interactions, 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. This data will be available to the public and can be used by researchers and product designers.

7. 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)
- ◆ Scoping reports for 14 OFR subclasses, ICF International (FY2022)
- ◆ 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

- 8. Source characterization:** Source characterization describes how chemicals are used in consumer product applications. Staff are compiling a source characterization inventory that comprehensively lists and describes different combinations of chemical | 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 migration potential to biological surfaces and emission potential to indoor air, dust, and surfaces. 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.

- 9. PFAS:** Per- and polyfluoroalkyl substances (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 selected PFAS and consumer products. Completed reports are available on the CPSC website:

- <https://www.cpsc.gov/Research--Statistics/Chemicals>

- 10. 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 (NAMs) used for testing and

risk assessment of specific PFAS, and the challenges and data gaps for applying NAMs for PFAS. The Acute Toxicity working 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 is found in the OECD Supporting Document to the OECD Guideline 497 on Defined Approaches for Skin Sensitization, Series on Testing and Assessment, No. 336, and in 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 publication in the journal Archives of Toxicology. Staff also collaborated with the 16 ICCVAM participating agencies to update the ICCVAM validation document, whose completion is expected in 2023. Furthermore, staff reviewed numerous documents for ICCVAM, such as procedural documents, guidance documents, and Organisation for Economic Co-Operation and Development (OECD) documents.

11. 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. Currently, staff is waiting for ATSDR to release results of the biomonitoring data they collected in 2021-2022. Staff's goal is to use the ATSDR biomonitoring data and other exposure data reported by EPA to support exposure and risk assessments. Updates to the interagency effort can be found at

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

12. 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 26 reports and publications, in addition to voluntary standards resulting from CPSC-funded research that addresses nanomaterial hazards in consumer products. In 2021, five publications evaluated the influence of polymer additives on gas-phase emissions from 3D printer filaments, characterized the influence of carbon nanotube content on abraded products and microplastic particle production, and evaluated the safer use of 3D printers in educational settings. In addition, CPSC supported the U.S. participant in an international research collaboration, completed in 2021, to understand how silver nanowire properties (e.g., dimensions) influence human and environmental toxicity and to develop mechanisms to minimize potential hazards. Three publications highlight the collaboration on silver nanowire synthesis and characterization, human and environmental toxicity testing, and silver

nanowire release from products and recycling. Results of this work could help emerging nanowire-enabled products to be safer and more sustainable for people and the environment. A Rutgers University 2022 publication, under CPSC contract, assessed the role of product type, flooring materials and resuspension force (i.e., simulated walking adult and child) on particles released from nano-enabled sprays.

CPSC, EPA, NIOSH, and NIST collaborative work 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 five publications in 2022-2023. 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 in 2023 on potential exposures to children.

A 2021 contract with University of Cincinnati staff to develop a best practices white paper that will assist CPSC staff in applying current thinking regarding nanotoxicology when assessing the safety of products is nearing completion. The report will provide a risk management framework that includes evaluations unique to nanoscale properties of materials.

CPSC staff and NIST are working on the optimization of in vitro test methods used to determine the toxic endpoints of nanomaterials. A 2022 publication highlighted potential artifacts and control experiments for in vitro toxicity test systems of nanoplastic and microplastic particles.

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

13. Fireworks: Staff released CPSC's annual report on deaths and injuries associated with fireworks. The report titled "2022 Fireworks Annual Report, Fireworks-Related Deaths, Emergency Department-Treated Injuries, and Enforcement Activities During 2022" is available on the CPSC website at:

- <https://www.cpsc.gov/s3fs-public/2022-Fireworks-Annual-Report.pdf?VersionId=u1YPVukKGRMgE8tych5ccPMhaAHye2YL>

14. National Smoke and CO Alarm Survey: The CPSC, along with other federal agencies, and other fire safety advocates and organizations, entered into a contract with Eurekafacts to conduct and develop an in-home survey to gather information on the use patterns and operability of installed smoke and CO alarms across the United States. The survey data will provide a national estimate of the operability of smoke and CO alarms,

based on the direct observations of consumers. It will also allow the CPSC and the other stakeholders to create a demographic profile of groups that do not have operable smoke and/or CO alarms. Moreover, the survey data will provide a better understanding on why some U.S. households still lack operable smoke and/or CO alarms. The conclusions from this survey will help the CPSC formulate policies, messaging, and interventions to improve the operability rate of these alarms. The contractor completed in-person surveys of over 1000 homes and a report will be forthcoming in 2024.

15. 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. Most commenters were academics that supported a higher VSL for children. A few commenters disagreed with the decision to place higher value for children VSL for various reasons, the most prominent argument being that they believe there is not enough evidence to support the conclusion. Staff plans to publish final guidance in FY24.

16. 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>.

17. Nursery Products Annual Update: Commission staff completed the 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/s3fs-public/Nursery-Products-Annual-Report-2023.pdf?VersionId=1hFBN.iciNSIXQ4BOcnpk7NtWoFWgJ8g>

18. Pediatric Poisonings: Agency staff completed the 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/content/Annual-Report-on-Pediatric-Poisoning-Fatalities>

19. Pool and Spa Submersions: Agency staff prepared the 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, 2023 Report” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Pool-or-Spa-Submersion-Estimated-Nonfatal-Drowning-Injuries-and-Reported-Drownings-2023>

20. 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 2018 through 2020. The report titled “2018-2020 Residential Fire Loss Estimates” is available on the CPSC website at:

- <https://www.cpsc.gov/content/2018-to-2020-Residential-Fire-Loss-Estimates-Annual-Fire-Loss-Report>

21. 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: 2022 Report” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Product-Instability-or-Tip-Over-Injuries-and-Fatalities-Associated-with-Televisions-Furniture-and-Appliances-2022-Report>

22. 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 2021” is available on the CPSC website at:

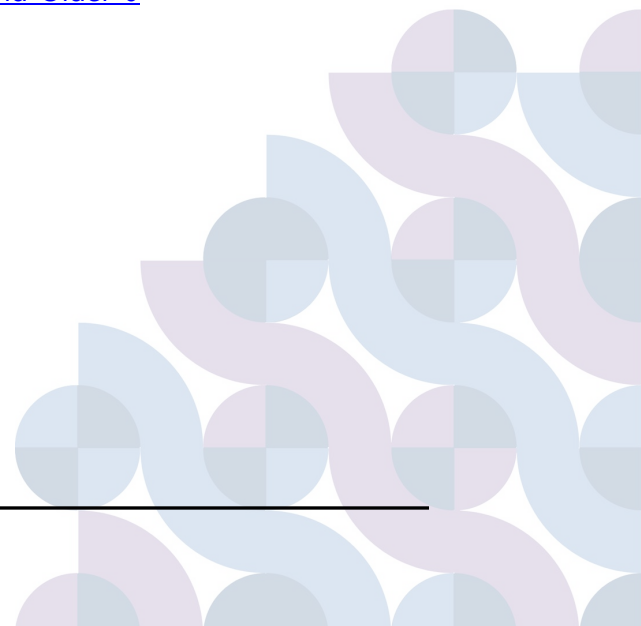
- <https://www.cpsc.gov/content/Toy-Related-Deaths-and-Injuries-Calendar-Year-2021>

23. 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: 2017–2021” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Micromobility-Products-Related-Deaths-Injuries-and-Hazard-Patterns-2017-2021>

24. Seniors: Commission staff prepared CPSC’s annual report on senior deaths and injuries. The report titled “Consumer Product-Related Injuries and Deaths Among Adults 65 Years of Age and Older” is available on the CPSC website at:

- <https://www.cpsc.gov/content/Injuries-and-Consumer-Product-Related-Injuries-and-Deaths-Among-Adults-65-Years-of-Age-and-Older-0>



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 2023, CPSC staff completed 313 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 2023, 167 of the total 313 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 2023, 99.19 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 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 FY23, EXIS screened 66,600 imported products to determine compliance with CPSC requirements.

Surveilling consumer products at ports of entry allows the agency to protect consumers before products reach consumers or become available for sale in the marketplace. In December 2020, the Commission approved CPSC staff's

recommendation to implement a permanent eFiling program, which will require importers of regulated consumer products to electronically file certificate of compliance data at the time of importation. The eFiling program will expedite targeting of shipments of potentially noncompliant products and simultaneously facilitate legitimate trade for compliant importers. In FY23, staff conducted a public workshop that provided an overview of CPSC’s proposed implementation of eFiling, and recruited volunteer importers, customs brokers, and software developers to participate in a Beta Pilot , which began on October 16, 2023. Publication of a Supplemental Notice of Proposed Rulemaking is planned for early FY24.

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 2023, the CPSC negotiated out-of-court settlements in which four companies voluntarily agreed to pay a total of \$52.365 million in civil penalties to the U.S. Treasury.

Firm	Fine	Act	Product
<u>Clawfoot Supply, LLC, d/b/a Signature Hardware</u>	\$6,000,000	CPSA	Teak Shower Seats
<u>Peloton Interactive, Inc.</u>	\$19,065,000	CPSA	Exercise Equipment
<u>Generac Power Systems, Inc.</u>	\$15,800,000	CPSA	Portable Generators
<u>Whirlpool Corporation</u>	\$11,500,000	CPSA	Electric Cooktops

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. After written and deposition discovery, and pre-hearing motion practice, a hearing was held on August 7-10, 2023 before the Hon. Michael Young, Administrative Law Judge, at the CPSC Bethesda, Maryland headquarters.

- **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 have each appealed portions of the initial decision to the Commission for final disposition.

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 2023, 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 2023. 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. United States Consumer Product Safety Commission et al.</i> , Case No. 8:21-cv-2058-TDC (D. Md.)	After a decision on October 30, 2020, granting the government's motion to dismiss in <i>Jake's Fireworks Inc. v. CPSC.</i> , 8:19-cv-01161-PWG, on August 13, 2021, Jake's Fireworks Inc. filed another Complaint for Injunctive and Declaratory Relief in the United States District Court for the District of Maryland. The action alleges Notices of Noncompliance by Commission staff are final agency action under the Administrative Procedure Act and subject to judicial review. On April 24, 2023, the district court granted the government's motion to dismiss the action, determining that the Notices of Noncompliance issued by the CPSC staff are not final agency action subject to judicial review.
<i>Jake's Fireworks Inc., v. U.S. Consumer Product Safety Commission, No. 23-1661</i> (4 th Cir.) (on appeal from 8:21-cv-02058-TDC (D. Md.))	On June 20, 2023, Jake's filed a notice of appeal of the decision dismissing action in <i>Jake's v. CPSC</i> , 8:21-cv-02058-TDC (D. Md.). The parties participated in mediation throughout the remainder of the fiscal year.
<i>Consumers' Research, and By Two LP v. Consumer Product Safety Commission</i> , Case No. 22-40328 (5 th Cir.) (on appeal from Case No. 6:21-cv-00256-JDK (E.D. Tex.))	On July 2, 2021, Consumers' Research and By Two LP filed a Complaint for Declaratory and Injunctive Relief in the United States District Court for the Eastern District of Texas, Tyler Division. Count I of the complaint alleged that the Commission's structure violates the separation of powers and Article II of the U.S. Constitution because the Commissioners are removable by the President only "for neglect of duty or malfeasance in office but for no other cause," 15 U.S.C. § 2053(a). Count II of the complaint alleged that, under the Administrative Procedure Act, the Commission's updated FOIA fee rule must be set aside because it was promulgated by an unconstitutionally structured agency. Count III of the complaint alleged that the Commission violated the FOIA by withholding records to which plaintiffs are entitled and requiring plaintiff to pay fees. On March 18, 2022, the district court granted partial summary judgment for the plaintiffs on Count I of the complaint (holding that the removal restriction in the CPSA is unconstitutional) and entered a corresponding order pursuant to F.R. Civ. P. 54(b). On

	<p>May 16, 2022, the government filed a notice of appeal and on May 18, 2022, the appeal was docketed in the U.S. Court of Appeals for the Fifth Circuit. The district court stayed the case as to Counts II and III pending the appeal on Count I. A three-judge panel heard oral argument on the appeal on March 6, 2023.</p>
<p><i>Leachco, Inc. v. CPSC et al.</i>, Case No. 6:22-cv-0232-RAW (E.D. Ok.)</p>	<p>On August 17, 2022, Plaintiff Leachco filed a six-count complaint for injunctive and declaratory relief, arguing that the Commission’s administrative adjudication against Leachco seeking mandatory recall remedies for its Podster infant lounger is unconstitutional and that the Commission’s structure is unconstitutional. On August 19, 2022, Leachco filed a motion for preliminary injunction to prevent the Commission from continuing the adjudicatory proceeding. On November 29, 2022, the district court denied Leachco’s motion for preliminary injunctive relief. On December 5, 2022, Leachco filed a notice of appeal and on December 6, 2022, a motion for injunction pending appeal before the district court. The government moved to stay all dates and deadlines before the district court pending the outcome of Leachco’s appeal of the order denying the preliminary injunction. On December 8, 2022, the district court denied Leachco’s motion for preliminary injunction pending appeal and granted the government’s request for a stay of further proceedings in the district court. On June 13, 2023, Leachco filed a renewed motion for injunction pending appeal, relying on the recent Supreme Court decision <i>Axon v. FTC</i>, 143 S. Ct. 890 (2023). On August 2, 2023, the district court denied Leachco’s motion for an injunction pending appeal.</p>
<p><i>Leachco, Inc. v. CPSC et al.</i>, Case No. 22-7060 (10th Cir.) (on appeal from Case No. 6:22-cv-0232-RAW (E.D. Ok.))</p>	<p>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 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</p>

	<p>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.</p>
<p><i>Magnetsafety.org, Hobby Manufacturers Association; National Retail Hobby Stores Association, Inc. v. CPSC</i>, Case No. 22-9578 (10th Cir.)</p>	<p>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.</p>

<p><i>Window Coverings Manufacturers Association v. CPSC</i>, Case No. 22-1300 (D.C.Cir.)</p>	<p>On November 30, 2022, the Window Coverings Manufacturers Association filed a petition for review in the U.S. Court of Appeals for the District of Columbia Circuit of the Commission’s Safety Standard for Custom Window Operating Cords, 87 Fed. Reg, 73144 (Nov. 28, 2022). On January 10, 2023, a three-judge panel granted WCMA’s motion for a stay pending review of the rule and issued an expedited briefing schedule. The court held oral argument on April 24, 2023, before a three-judge panel. On September 12, 2023, the Court issued its opinion and order and mandate vacating the rule and remanding it back to the Commission for further proceedings.</p>
<p><i>Energy Policy Advocates v. Consumer Product Safety Commission</i>, case no. 1:23-cv-590 ACR (D.D.C)</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.</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.</p>
<p><i>American Home Furnishings Alliance, Mississippi Economics Council and Mississippi Manufacturers Association v. CPSC</i>, Case No. 22-60639 (5th Cir.)</p>	<p>On December 5, 2022, the American Home Furnishings Alliance (AHFA), the Mississippi Economics Council, and the Mississippi Manufacturers Association filed a petition for review in the U.S. Court of Appeals for the Fifth Circuit of the Commission’s Safety Standard for Clothing Storage Units, 87 Fed. Reg. 72,598 (November 25, 2022). On December 12, 2022, AHFA sought an emergency stay</p>

	<p>and expedited consideration of the Petition for Review. On December 28, 2023, a three-judge panel issued a per curiam order carrying AHFA's motion for a stay with the case and denying expedited briefing. On January 6, 2023, AHFA filed a motion for reconsideration of the Fifth Circuit's Order based on passage of the STURDY Act and anticipated action by ASTM. On January 20, 2023, a three-judge panel issued a per curiam order denying AHFA's motion for reconsideration. On April 20, 2023, AHFA filed an unopposed motion to hold the case in abeyance pending the Commission's consideration whether to adopt the ASTM voluntary standard for reducing furniture tip-overs under the STURDY Act. On April 26, 2023, the court granted AHFA's unopposed motion. On May 4, 2023, the Commission promulgated a direct final rule adopting the 2023 ASTM voluntary standard with a September 1, 2023, effective date, superseding the Commission's 2022 mandatory rule and its May 24, 2023, effective date. On June 30, 2023, petitioners moved to dismiss their case with each side bearing its own costs, which the government did not oppose. On June 30, 2023, pursuant to Federal Rule of Appellate Procedure 42(b), the court ordered judgment issued as a mandate dismissing the case.</p>
<p><i>TX Association of Manufacturers; TX Chemical Council; TX Association of Business; NAM; ACC (Petitioners) v. U.S. CPSC (Respondent) and NRDC; Environmental Justice Health Alliance for Chemical Policy Reform; Breast Cancer Prevention Partners (Intervenors)</i>, Case No. 17-60836 (5th Circuit)</p>	<p>On March 1, 2021, a three-judge panel of the Fifth Circuit issued a decision on the phthalates rule at 16 C.F.R. part 1308, promulgated pursuant to 15 U.S.C. § 2057c. The court affirmed the rule in part but remanded the rule to CPSC to resolve defects the court identified in the rule. The remand to the CPSC did not involve vacatur of the rule and the court retained jurisdiction. The court found that the CPSC followed the correct procedures in promulgating the rule pursuant to 15 U.S.C. § 2057c(b)(3). The court also found that the final rule was not arbitrary and capricious under the APA. The Commission published an FRN on March 24, 2022, responding to issues raised by the court's remand. On February 27, 2023, the government filed an unopposed motion to close the action based on the commission's completion of the work on remand. On March 2, 2023, a three-</p>

	<p>judge panel issued a per curiam order granting the Commission’s unopposed motion to dismiss the petition for review.</p>
<p><i>Keezio Group LLC d/b/a Hiccapop v. CPSC</i>, Case No. 22-1057 (D.C. Cir.)</p>	<p>On April 8, 2022, petitioner filed in the D.C. Circuit a petition for review of the Commission’s final rule entitled Safety Standard for Crib Mattresses, promulgated at 87 Fed. Reg. 8640 (Feb. 15, 2022) (to be codified at 16 C.F.R. part 1241). A three-judge panel of the Court of Appeals heard oral argument on December 1, 2022. On December 2, 2022, a three-judge panel issued a per curiam order holding the case in abeyance pending the Commission’s response to ASTM International’s decision to revise the voluntary standard applicable to play yard mattresses. The Court’s order cited ASTM 406-22, Standard Consumer Safety Specification for Non-Full-Size baby Cribs/Play Yards (Nov. 23, 2022) (revising ASTM 406-19), and 15 U.S.C. § 2056a(b)(4)(B). On March 15, 2023, the parties filed a stipulation of voluntary dismissal in lieu of a motion to govern further proceedings required by the Court’s December 2, 2022, order. On March 17, 2023, the Court issued a per curiam order closing the case.</p>
<p><i>Finnbin, LLC v. CPSC</i>, Case No. 21-1180 (D.C. Cir.)</p>	<p>On August 23, 2021, petitioner filed in the D.C. Circuit a petition for review of the Commission’s final rule entitled Safety Standard for Infant Sleep Products, promulgated at 86 Fed. Reg. 33022 (June 23, 2021) (codified at 16 C.F.R. part 1236). After briefing and oral argument by the parties, on August 2, 2022, the D.C. Circuit upheld the final rule. On September 16, 2022, Finnbin LLC filed a petition for panel rehearing and rehearing en banc. On September 26, 2022, the D.C. Circuit issued orders denying the petitions.</p>

2) Civil (Affirmative Litigation):

Case	Summary
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<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.</p>
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3) Criminal:

Case	Summary
<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.</p>

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 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.

To achieve CPSC's strategic objective of improving accessibility, usefulness and actionability of consumer product safety information for diverse audiences, the Office of Communications (OCM) expanded the number of followers of its social media channels by more than 14 percent from more than 250,000 in FY2022 to 289,000 in FY2023, enabling CPSC staff to deliver safety messaging to a wider audience.

To achieve CPSC's strategic objective of increasing dissemination of actionable information to underserved communities at disproportionate risk from certain hazards, OCM staff conducted outreach with media outlets targeting Hispanic and African-American communities, including Univision Contigo, and nationally-syndicated African-American radio programs. CPSC staff also launched a public safety campaign targeting indigenous communities in the U.S. The campaign, featured billboards and radio advertising on baby safety and carbon monoxide poisoning in areas of the United States with large Native American populations. The campaign featured 77 billboards in 10 targeted states, and 410 radio ads in Alaska to reach Alaska Natives; , Hawaii to reach Native Hawaiians; and nationwide. OCM staff also began translating recall news releases into Spanish language and launched a Spanish-language CPSC Facebook page.

OCM issued more than 300 news releases, including recalls, unilateral product warnings, safety campaigns and civil penalties. Staff conducted a number of safety campaigns in FY 2023 including *Pool Safety*, *Anchor It* furniture and TV tip-over prevention, baby safety, carbon monoxide safety, fireworks safety, holiday safety, water bead safety, fuel container safety and micromobility device safety. OCM also produced its first safety album as a part of its youth outreach campaign, entitled “We’re Safety Now Haven’t We?” CPSC staff safety campaigns, social and digital outreach generated billions of media impressions and millions of consumer engagements across traditional and social media and serves as a valuable resource for consumer safety.

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
- Holiday Safety
- Older Adult Safety
- Button Cell and Coin Batteries
- Carbon Monoxide
- AnchorIt.gov
- Poison Prevention
- Drywall
- 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 2023, 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 2023, the SBO team received 3,988 total inquiries, which is the most inquiries the SBO has ever responded to in one fiscal year. The total inquiries for FY 2023 were a 78.8% increase when compared to FY 2022.

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 2023 29,665 unique users visited the Regulatory Robot, a 14.6% increase from the 2022 total of 25,883 unique users. The SBO also expanded the foreign language offerings of the Regulatory Robot into the Cambodian language of Khmer. With this new addition, the Regulatory Robot has translations in eight different languages available.

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 2023, there were 35 instances in which the SBO provided new and updated content to CPSC's website. Each instance typically included 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 2023, the subscriber list grew to 121,837 subscribers, which is up from only 36,745 subscribers in October 2022. This reflects an increase of 85,092 subscribers, or 131.6% during FY 2023.

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 2023, the SBO conducted seven virtual outreach events: a webinar on special packaging requirements under the Poison Prevention Packaging Act (PPPA), a virtual presentation on footwear requirements, a trilateral webinar on infant sleep products with representatives from Health Canada and Procuraduría

Federal del Consumidor (PROFECO), an animated video for CPSC requirements for children's cloth diapers, a webinar on certification and eFiling, a webinar on clothing storage units, and video presentation for toy, look-alike, and imitation firearms. The live webinars had 773 attendees, and as of October 2023, the posted webinars and videos had 3,374 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 eight in-person outreach events in FY 2023: visits to the Florida International Trade & Cultural Expo (FITCE), MAGIC Las Vegas Clothing and Textile Trade Show, and All Baby & Child (ABC) Kids Expo, participation in the Household & Commercial Products Association (HCPA) mid-year meeting, two presentations at events hosted by the International Consumer Product Health and Safety Organization (ICPHSO), and presentations at the Southern Aerosol Technical Association's (SATA) Aerosol 101 & Spring Meeting and Perritt Laboratories' 2023 Child-Resistant Packaging Today Seminar. The total estimated number of in-person participants and/or interactions is 1,270. The SBO completed a total of 15 outreach events, exceeding the SBO's FY 2023 goal by 25%.

The 15 outreach events are detailed below:

- 1) **Florida International Trade & Cultural Expo (Fort Lauderdale, FL):** The Florida International Trade & Cultural Expo (FITCE) is an event that gathers international government officials, trade experts, and delegations to educate and inform stakeholders of the requirements involving import and export of consumer goods. CPSC staff hosted a booth for two days to answer inquiries and provide information pamphlets, which resulted in approximately 300 interactions.
- 2) **Special Packaging Requirements for Drugs Under the Poison Prevention Packaging Act (PPPA) Webinar (Online):** The webinar provided an overview of special packaging requirements of the PPPA, requirements related to drugs that require special packaging, testing requirements, and testing exceptions. 121 attendees were present during the live webinar. A recording of the webinar can be [viewed here](#).
- 3) **MAGIC Las Vegas Clothing and Textile Trade Show (Las Vegas, NV):** A member of the SBO team attended MAGIC Las Vegas trade show, which consisted of three separate showrooms consisting of over 1,000 exhibitors for apparel, accessories, and footwear. The SBO team attended to spread awareness about CPSC's mission, provide information about CPSC's Regulatory Robot, and answer questions about flammability requirements for clothing textiles, which resulted in approximately 150 interactions.

- 4) **International Consumer Product Health and Safety Organization (ICPHSO) Symposium (Orlando, FL):** A member of the SBO team was a speaker on a panel called, “Mind the Gap,” which largely focused on best practices for products without mandatory requirements. The panel went over various situations where a product may be considered “unregulated” and provided best practices from the perspectives of the speakers. The presentation was given to approximately 300 attendees.
- 5) **Aerosol 101 & Spring Meeting (Atlanta, GA):** A member of the SBO team presented at the Aerosol 101 event on the Federal Hazardous Substances Act (FHSA) labeling requirements and participated in a regulatory roundtable during the Spring Meeting event of the Southern Aerosol Technical Association (SATA). The event provided general global requirements on aerosols, as well as updates to any upcoming rulemaking, manufacturing processes, best practices, and other miscellaneous activities related to aerosols. The presentation was given to approximately 150 attendees.
- 6) **Footwear Distributors and Retailers of America (FDRA) Virtual Presentation (Online):** The SBO was invited to conduct a 30-minute virtual presentation at the annual meeting on product safety for 50 attendees, which was hosted by FDRA. The presentation focused on CPSC requirements and helpful information for the footwear industry.
- 7) **Infant Sleep Products Trilateral Webinar (Online):** Staff of the consumer product safety agencies in Canada (Health Canada), Mexico (PROFECO), and the United States (CPSC) conducted an infant sleep products webinar for industry stakeholders in these jurisdictions. The webinar highlighted current requirements, common violations or recalls, and resources available to help industry stakeholders stay informed. 207 attendees were present for the live webinar and as of October 2023, the webinar received 457 views following the live presentation.
- 8) **All Baby & Child (ABC) Kids Expo (Las Vegas, NV):** A member of the SBO team attended ABC Kids Expo, which is a business-to-business expo that includes exhibitors of children’s durable infant and toddler products, apparel, and child-care accessories. Approximately 230 exhibitors were in attendance and the SBO team was able to provide information to 115 exhibitors about CPSC and available resources for navigating CPSC requirements.
- 9) **Household & Commercial Products Association (HCPA) Mid-Year Meeting**

(Washington, DC): The HCPA Mid-Year Meeting is a conference in which attendees can learn about and engage on the public policy issues that impact the household and commercial products industry. Staff from CPSC's Office of Hazard Identification and Reduction (EXHR) presented the requirements of the Portable Fuel Container Safety Act with support from a member of the SBO team, who provided responses to questions relating to the compliance of the requirements. 25 attendees participated in the meeting.

- 10) **2023 Child-Resistant Packaging Today Seminar (Alexandria, VA):** A member of the SBO team presented on the PPPA requirements at the 2023 Child-Resistant Packaging Today Seminar, which was hosted by Perritt Laboratories. The seminar was intended for anyone who would benefit from a thorough understanding of the requirements, regulations, and intricacies of special packaging. 30 attendees were present at the seminar.
- 11) **CPSC Requirements for Children's Cloth Diapers Animated Video (Online):** The SBO team created an animated explainer video that provides an overview of CPSC requirements for children's cloth diapers, which is a common inquiry area for the SBO team. The animated video provides each of the likely requirements in detail as they relate to the different components commonly used in cloth diapers. As of October 2023, the video has 710 views. The video can be [viewed here](#).
- 12) **ICPHSO 2023 North America Product Safety Training Workshop (June 27, 2023):** A member of the SBO team was a speaker in a session titled, "Global Regulatory Updates" and provided updates on new rules and requirements, including: window coverings, button cell and coin batteries, portable fuel containers, clothing storage units, and toy, look-alike, and imitation firearms. CPSC's new Business Guidance Library and Online Sellers' Safety Guide webpages on CPSC.gov were also introduced to approximately 200 attendees.
- 13) **SBO/EXIS Joint Webinar on Certification and eFiling (Online):** The SBO and a member of CPSC's Office of Import Surveillance (EXIS) conducted a webinar to provide an overview of CPSC certification requirements and an update on CPSC's eFiling initiative. 90 attendees were present during the live webinar. As of October 2023, the video has 735 views. The webinar can be [viewed here](#).
- 14) **Clothing Storage Units (CSU) Webinar (Online):** A member of the SBO team led a live webinar on the requirements for clothing storage units with support from CPSC's Office of Compliance (EXC) and EXHR on the general compliance and testing requirements. The webinar featured a Q&A session. 305 attendees were present during the live webinar. As of October 2023, the video has 1,315 views. The

webinar can be [viewed here](#).

- 15) **Toy, Look-alike, and Imitation Firearms Video (Online):** The SBO presented a video on requirements for toy, look-alike, and imitation firearms found at 16 CFR part 1272. The video also provides an overview of General Certificate of Conformity (GCC) requirements, and information concerning the current GCC enforcement discretion policy. As of October 2023, the video has 157 views. The video can be viewed here.

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 FY 2023.

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

Publications

- J. Strickland, J. Abedini, D. Allen, J. Gordon, V. Hull, N. Kleinstreuer, H. Ko, J. Matheson, H. Thierse, J. Truax, J. Vanselow, M. Herzler. (2023). A Database of Human Predictive Patch Test Data for Skin Sensitization. *Archives of Toxicology*. *Archives of Toxicology* (2023) 97:2825–2837. <https://doi.org/10.1007/s00204-023-03530-3>
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- Hatlelid K (2023) Introduction to "Playing with Fire: Human Exposure, Health Risks, and Safer Design of Flame Retardants," a symposium session presented at the Society of Toxicology Annual Meeting, March 20, 2023.
- J. Gordon, J. Truax, A. Borrel, E. Reinke, V. Adams, D. Rúa, E. Petersen, R. Uhl, D.G. Allen, N. Kleinstreuer, J. Strickland (2023). Validation of the Electrophilic Allergen Screening Assay (EASA) to Detect Substances that Impact the Initial Key Event in the Adverse Outcome Pathway for Skin Sensitization. Society of Toxicology Annual Meeting: *The Toxicologist*, Abstract 3624.
- J. Matheson (2023). Interagency Collaborations: Microplastics and Nanoplastics. Presented at the National Nanotechnology Initiative Overview of U.S. Government Activities

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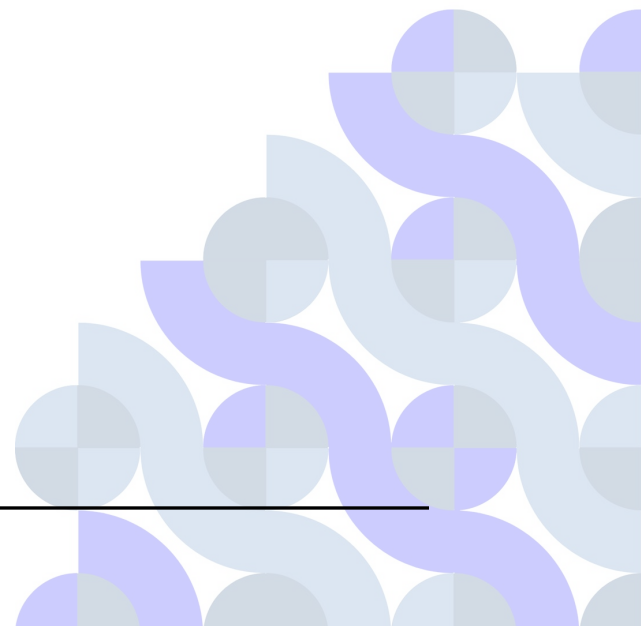
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- Haber, L. et al., (2022) Guidance document for use of human biomonitoring data for exposure assessment. Society of Risk Analysis Conference.
- J. Matheson (2021). The Regulatory Perspective - Approaches for Development, Validation, and Utilization of Alternative Methods for Toxicity Testing. Presented at the Society of Toxicology Annual Meeting, Continuing Education Course.
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- Babich, M., et al (2021) Scientific Challenges in Regulating Organohalogen Flame Retardants (OFRs) as a Class in Consumer Products. Society of Toxicology Workshop.
- Bevington, C., et al (2021) Case Study: Comparison of approaches for the exposure assessment of a semi-volatile flame retardant, triphenyl phosphate, used in an upholstered chair. International Society of Exposure Science.
- Haber L (2021) The Toxicology of Nanoparticles. Presented at the Society of Toxicology FDA Colloquia on Emerging Toxicological Science Challenges in Food and Ingredient Safety. April 8, 2021

D. Cooperation Among Commission Officials and External Stakeholders

During FY 2023, the Commissioners and staff at the 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 of substantial interest. CPSC's Meetings Policy defines "substantial interest" as "any issue that is 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 2023, 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 2023, 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 2023, state and local officials conducted inspections of distributors and retailers to determine compliance with their corrective action plans.

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 2023:

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

- 2) Provided assistance to states in monitoring industry's compliance with CPSC mandatory laws.
- 3) Engaged in outreach and dissemination of information through multiple venues, such as print, electronic media, and product safety presentations.
- 4) Conducted over 600 outreach activities to provide CPSC safety resources to state and local fire departments, police departments and safety groups nationwide.
- 5) Met on-site with fire department officials in ten states with the highest overall state death rates. Provided CPSC data and fire education safety resources for sharing with consumers to reduce injuries and deaths due to fires. Staff also included safety messaging pertaining to the hazards of carbon monoxide poisoning.
- 6) Participated in regional fire safety summits with national fire organizations and state fire officials to promote fire safety.
- 7) Conducted training calls with state officials to review CPSC recalls, injury statistics, mandatory rules, and educational resources.
- 8) Cooperated with states to reach underserved and underrepresented consumers by providing CPSC safety resources for carbon monoxide, fire, drowning, safe sleep and tip-over and hazards.
- 9) Assigned compliance and enforcement activities to the states. The table below provides the number of staff assignments made to state officials and completed during the year 2023.

Distribution of Assignments to State Officials Completed

Type of Assignments	No. of Assignments
State Inspections	105
State Recall Checks	331
Total	436

C. Communication under Section 218 of the CPSIA

In 2023, the Commission received no significant communications under section 218 of the CPSIA

D. International Training Activity

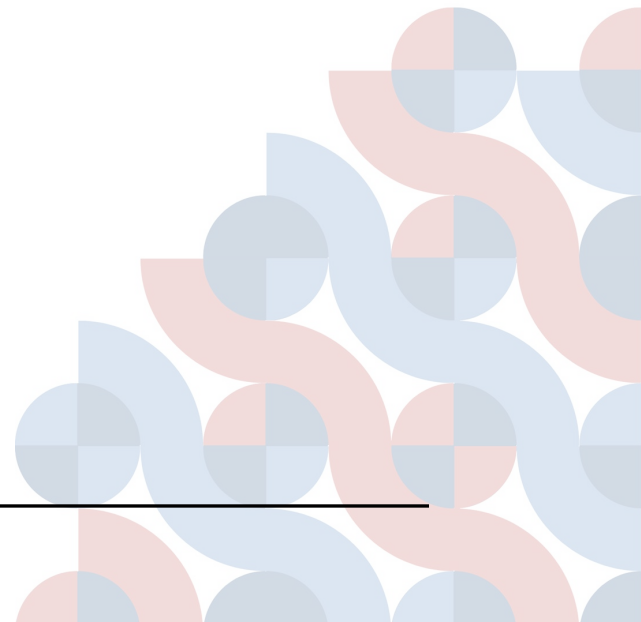
As part of a strategy for addressing the growing complexity and risk entailed within additional global sources of production, the CPSC’s Office of International Programs (EXIP) works to prevent hazardous and noncompliant consumer products from being exported to the United States through outreach and 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 FY2023.

2023 International Training/Briefings Activities Summary	
Number of different trainings/briefings* conducted for foreign groups/audiences	27
Number of trainings/briefings for foreign-located industry	11
Number of trainings/briefings for foreign government entities	16
Number of industry representatives trained/briefed	584
Number of government officials trained/briefed	201
Number of people trained/briefed**	785
Number of different foreign jurisdictions receiving training/briefing	28
Number of trainings/briefings conducted in-person abroad	11
Number of different training/briefings conducted in-person at CPSC Headquarters	4
Number of electronic/remote trainings/briefings for foreign attendees***	13

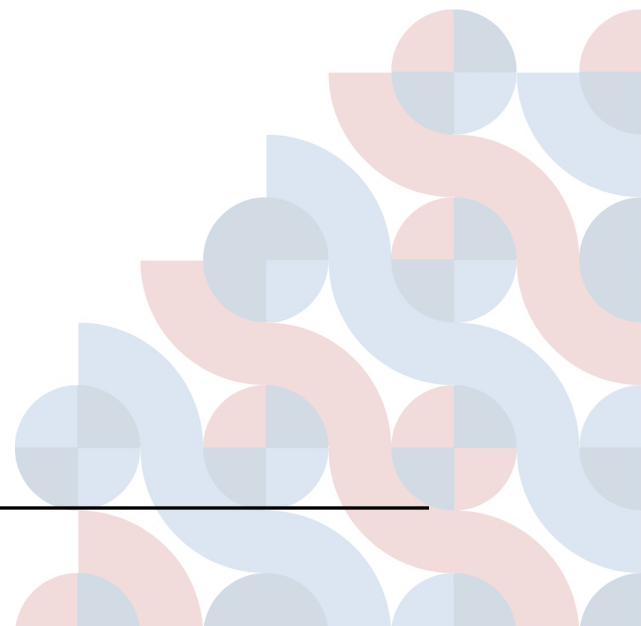
**Briefing as used here is a focused event in a business meeting format, intended to convey or explain CPSC procedures or best practices.*

***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.*

****One training presented to both in-person and remote audiences.*



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UNITED STATES CONSUMER
PRODUCT SAFETY COMMISSION

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