

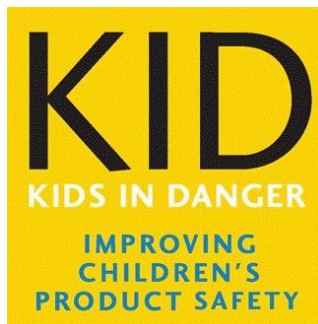


PLAYING WITH FIRE HAZARDS

An analysis of children's products recalled for fire and burn hazards from June 2007 to July 2017

Abstract

Kids in Danger (KID) researched children's products that were recalled for fire & burn hazards between 2007 and 2017. This analysis evaluates common hazards and discusses what must change to improve children's product safety.



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Executive Summary

Fire and burn hazards are a serious cause of unintended injury and death in the United States. According to the Centers for Disease Control and Prevention, over 300 children are treated for burn-related injuries in the emergency room and two children die as a result of burns on a daily basis.¹ Parents often go to great lengths to protect their children from these hazards, especially in the kitchen. Yet, many children's products—such as sleepwear and battery-operated toys—can contain hidden fire and burn hazards that caretakers may not be aware of.

Kids In Danger (KID) undertook this report to raise awareness of children's products that have been recalled for fire and burn hazards in the past 10 years. *Playing with Fire Hazards* is a continuation of KID's previous research: [*Smoldering Hazards: Fire and Burn Hazards of Children's Products*](#) and [*A Burning Threat: Fire and Burn Hazards of Children's Product Recalls*](#).

- In the past 10 years, 121 children's products have been recalled for fire and burn hazards. These defective products have resulted in 1,000 incidents, 159 injuries, and 2 deaths. Defects included: violation of federal flammability standards, battery failure, electrical failure, exposure to hot substance/surface, and ignitable.
- An average of 12.1 children's products were recalled each year between June 2007 and July 2017. Comparatively, an average of 5.47 children's products were recalled each year between 1992 and 2007. This indicates that dangerous products are being sold to consumers at higher rates.
- Clothing and toys were recalled at the highest rate. Forty-six articles of children's clothing were recalled, including pajamas, loungewear, and robes that violated federal flammability standards. Forty-four toys were recalled, most frequently for defective batteries that could overheat.
- A total of more than 40 million units have been recalled, including 29 million "Step-iT" Activity Wristbands from McDonald's and 1.9 million MZB Children's "Light Up" Watches, both of which can cause skin irritation or burns.
- The return rate of recalled products is only about 10%, which means that many dangerous products are in consumers' homes.

KID is a nonprofit organization dedicated to protecting children by improving children's product safety. For parents and caretakers, reporting unsafe products to the CPSC is crucial for preventing more incidents. We hope that in raising awareness of fire and burn hazards, this report encourages manufacturers, government, and consumers to come together to strengthen standards for children's product safety.

¹ Centers for Disease Control and Prevention, "Protect the Ones You Love: Child Injuries are Preventable," April 28, 2016, Retrieved from <https://www.cdc.gov/safecild/burns/index.html>

Introduction

March 11, 2017 began as a relaxing evening with family at Steven Dominick and Chaka Crawford's home in Harrisburg, PA. But things changed suddenly when a charging hoverboard exploded, setting the house ablaze. The fire killed two young children: 2-year-old Ashanti Hughes died that night and 10-year-old Savannah Dominick died a few days later as a result of burns sustained during the fire. Though Steven had been close enough to the hoverboard to keep a watchful eye as it charged, there was nothing he could do about the fire that resulted from the overheating lithium-ion battery pack.²

Reports of fires and explosions related to hoverboards resulted in CPSC recalling more than 500,000 units from 10 manufacturers in July 2016. At that time, CPSC Chairman Elliot Kaye urged consumers to stop using and charging all hoverboards; those left on the market were by no means all safe. The hoverboard that caught fire in Steven Dominick and Chaka Crawford's house, which was manufactured by Vecaro LifeStyle, wasn't recalled until March 23, 2017, more than eight months after the initial recall of hoverboards.

In the last 10 years, there have been 1,000 reported incidents in which children's products failed to operate safely. A total of 159 children have been injured and 2 have been killed as a result of these fire and burn hazards. In each case, the product was jointly recalled by the government and the manufacturer and deemed hazardous. A total of more than 40 million units have been recalled, including 29 million "Step-iT" Activity Wristbands from McDonald's and 1.9 million MZB Children's "Light Up" Watches, both of which can cause skin irritation or burns.

This report was undertaken to raise awareness about common fire and burn risks in children's products that often go unnoticed. Recalls are one way to measure the hazard, although other products cause injury and are not recalled. Many of these incidents could be prevented by holding manufacturers and retailers of children's products to higher standards.

²Wesley, Robinson. "The most horrifying thing': victims recall fatal fire that killed girls," March 16, 2017, Retrieved from http://www.pennlive.com/news/2017/03/family_details_fatal_fire_that.html

Understanding Recalls

When a product is voluntarily recalled, as all the products examined in this report were, the recall notice is issued jointly by the CPSC and the manufacturer. It can be a lengthy process as CPSC has to convince the manufacturer to agree to the recall and the terms.

Manufacturers often announce recalls on their websites, but recall information is more reliably provided by the CPSC.

Each recall notice announced by the CPSC contains data for incidents of failure, injuries, and a description of the hazard. Manufacturers however, are not required to produce the total number of consumer complaints, nor disclose any relevant civil settlements. While the data is indisputable, it should serve in the consumer’s mind as a minimum measure of the product’s danger. Not present in the recall are numbers for incidents of failure and injury after the recall or unreported injuries and incidents.

Within this report, products were classified as “Clothing,” “Jewelry,” “Nursery,” “Outdoor & Sports,” or “Toys.” This helps to illuminate trends within specific types of product, such as the failure on the part of some manufacturers of apparel to meet flammability standards.

Table 1: Children’s Product Recalls for Fire, Burn, or Electric Shock Hazards, 2007-2017

Product	# Recalls	% Recalls	# Units	# Incidents	# Injuries	# Deaths
Clothing	46	38%	1,290,780	1	1	0
Jewelry	2	1.65%	30,900,000	81	13	0
Nursery	20	16.5%	1,765,800	134	5	0
Outdoor & Sports	9*	7.4%	532,300	141	41	2
Toys	44	36%	5,895,317	654	99	0
Total:	121	100%	40,384,197	1,000	159	2

* includes 10 hoverboard recalls counted as one



Avon Products Inc. Cozy Warming Polar Bears



Hasbro Inc. Easy-Bake Oven



Dollar General Battery-Operated Toy Speed Boats

Product Defects and Hazards

Given the enormous variety of children’s products recalled for fire and burn-related hazards, it follows that there would be a great diversity of product defects and malfunctions. Between 2007 and 2017, products were recalled for failing to meet federal flammability standards, battery failure, electrical failure, exposure to hot surface or substance, and being ignitable. (It should be noted that while most of the products analyzed in this report were at risk of igniting, those with other identifiable defects were categorized based on the underlying problem.)

Forty percent of products recalled failed to meet the requirements specified under the Federal Flammability Act. Of these 49 products, 46 were articles of clothing and three were nursery products, including two crib mattresses and one tent.



The largest recall of 29 million units was for the McDonald’s “STEP-iT” Activity Wristband, which we categorized as having a defective battery. However, the recall announcement does not specify 1) what the underlying defect is or 2) whether the hazard is a chemical or thermal burn. When we reached out to the CPSC for clarification, we were told that this information could not be released. We hope that regulatory agencies, such as the CPSC, will be more transparent and responsive to consumers who have questions about dangerous children’s products.

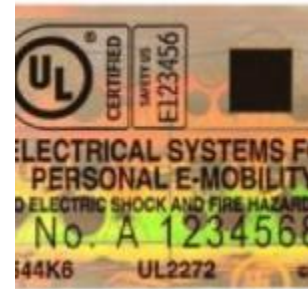
Table 2: Failure Rate, Product Recalls, and Injuries by Product Defect

Product Defect	# Products Recalled	% Products Recalled	# Reported Failures	# Injuries
Violation of Federal Flammability Standard	49	40.5%	1	1
Battery Failure	45	37.2%	342	13
Electrical Failure	15	12.4%	144	5
Exposure to Hot Substance/Surface	7	5.8%	354	114
Ignitable	5	4.1%	159	26
Total:	121	100%	1,000	159

Hoverboards

Hoverboards, or self-balancing scooters, became wildly popular when they hit the market in 2015. But it quickly became clear that these products were not safe—they have caused more than 60 fires since 2015 for a variety of reasons, including faulty batteries and wiring. In July 2016, the CPSC recalled over 500,000 units of hoverboards produced by ten different manufacturers.

Even after the recall, hoverboards are only slightly safer. KID, alongside Safe Kids Worldwide and the Consumer Federation of America, released a statement urging consumers to take precautions when purchasing hoverboards. Consumers should make sure that hoverboards comply with the most updated safety standard regarding e-Mobility devices, UL 2272, which was approved on November 21, 2016. Devices that meet the standard will have this label (pictured right).



THROWING OUT HOVERBOARDS

The lithium-ion battery inside many hoverboards cannot simply be thrown in the trash or sent through the mail. NBC Chicago reports that the proper method of disposal is to 1) remove the battery from the hoverboard and tape up the terminals and 2) contact municipal public works department or the nearest electronics recycling location to see if they will accept the battery.

Hoverboards that were manufactured between June 2015 and May 2016, which do not meet current safety standards, are still available online, in secondhand stores, and at garage sales. These products should not be resold. Rather, they should be safely disposed of³ or returned immediately. Manufacturers will refund, replace, or repair models that have been recalled.

Hoverboards should be monitored while they are charging, and they should be unplugged when they are fully charged. Protective gear, such as helmets, should be worn while they are in use.

Lithium-Ion Batteries: an Emerging Hazard

Lithium-ion batteries, like the type found in many defective hoverboards, are popular in power tools and home electronics. This type of rechargeable battery was responsible for another major recall in 2016: the Samsung Galaxy Note7 smartphone. Samsung received 96 reports of batteries overheating, 47 reports of property damage, and 13 reports of burns related to the Note7. After an internal investigation, Samsung released information about

³ NBC Chicago, "How to Properly Dispose of a Hoverboard," April 8, 2017, Retrieved from <http://www.nbcchicago.com/news/local/Hoverboards-Cause-Some-Parents-to-Second-Guess-Purchases-375086971.html>

the defect, which was related to the negative electrode, and introduced an “8 Point Battery Safety Check.”⁴

Selling products that could spontaneously combust puts lives at risk. In fact, after the recall of the Note7 smartphones, the Department of Transportation banned them from being carried onto airplanes as personal items or in carry-on and checked luggage.⁵ Moving forward, manufacturers must find safer and more sustainable alternatives to lithium-ion batteries. In the meantime, consumers who own products containing lithium-ion batteries should remain vigilant. Monitor products while they are charging and supervise children who are using them.

⁴ Tilley, Aaron. “Samsung Finally Opens Up On Investigation Into Note 7 Fires: Blame The Batteries,” *Forbes*, January 22, 2017, Retrieved from <https://www.forbes.com/sites/aarontilley/2017/01/22/samsung-note-7-fire-investigation-battery/#5819da5d2017>

⁵ U.S. Department of Transportation, “DOT Bans All Samsung Galaxy Note7 Phones from Airplanes,” October 14, 2016, Retrieved from <https://www.transportation.gov/briefing-room/dot-bans-all-samsung-galaxy-note7-phones-airplanes>

Flammability Standards

Congress passed the Flammable Fabrics Act⁶ (FFA) in 1953 to protect consumers from highly flammable clothing. The Act has specific standards for children's sleepwear, which is required to be flame resistant and self-extinguishing. These products are held to a higher standard for good reason: children can often be around flames or heat sources in pajamas or loungewear – stoves, campfires, candles, heaters, etc.

To ensure that children's clothing is not flammable, third-party testing is required. Loose-fitting sleepwear must pass a more rigorous test than tight-fitting garments because 1) they are more likely to come into contact with a flame without the wearer noticing and 2) the air beneath the garment helps to feed the fire, increasing the likelihood of serious burn injuries.

Over 40% of the products recalled between 2007 and 2017 as burn hazards failed to meet federal flammability standards. Most of these products were children's nightgowns, pajamas, robes, and loungewear.

- **IN JANUARY 2013, TARGET RECALLED 560,000 UNITS OF CHILDREN'S TWO-PIECE PAJAMA SETS**
- **IN JUNE 2012, RIGO INTERNATIONAL INC. RECALLED 210,000 UNITS OF BOYS AND GIRLS PULL-ON LOUNGE PANTS AND GIRLS BOXERS**
- **IN MARCH 2015, LANDS' END INC. RECALLED 173,000 UNITS OF CHILDREN'S PAJAMAS AND ROBES**



Rigo International Inc.
pull-on lounge pants

Manufacturers of children's sleepwear should be aware of the standards they are held to, yet far too many dangerous products exist on the market and in consumers' homes. While injuries related to sleepwear are rare, the results are devastating. In 2012, a 9-year-old boy sustained burns on the front and back of his legs after his Rigo International Inc. pull-on lounge pants caught fire.⁷

Similar to the hazard of lead in children's products, this is a decades old standard that we should not still be seeing violations occurring. More enforcement of the standard and testing requirements is needed, as are efforts to reach out to businesses with CPSC information.

⁶ Consumer Product Safety Commission, "Flammable Fabrics Act", Retrieved from <https://www.cpsc.gov/Regulations-Laws--Standards/Statutes/Flammable-Fabrics-Act>

⁷ Reuters, "Children's sleepwear recalled on flammability fears," June 28, 2012, Retrieved from <http://www.reuters.com/article/us-usa-recall-sleepwear-idUSBRE85R10L20120628>

Injuries

While sometimes a manufacturer recalls a product independently of incidents where a child got hurt, all too often that is not the case. Twenty percent of children’s products recalled for fire and burn-related hazards were recalled after a child had been injured. Between 2007 and 2017, 24 products injured 159 children. These injuries ranged from skin irritation and minor electric shocks to severe burns, in one case requiring amputation. Another 97 products recalled were deemed hazardous before they had a chance to injure a child.

Hasbro, Inc.’s Easy-Bake Oven was responsible for about a quarter (24.9%) of all reported failures and almost half (48%) of reported injuries. The toy was recalled first in February 2007 and again in July of that year after 249 children had their hands or fingers caught in the oven’s front opening. Seventy-seven children were injured, 16 of whom were reported as having second and third-degree burns. One child was burned so severely that she required a partial finger amputation. This underlines the fact that even the least technologically advanced aspect of a toy can prove dangerous if it is not properly designed. And the impact of a recalled product is lasting—even 10 years after the recall, it is relatively easy to find this recalled version of the Easy-Bake Oven on Facebook Marketplace and other online sellers.

Rather than utilizing a light bulb, the model of the Easy Bake Oven that was recalled utilized a heating element that children could reach. The door on a hinge that Hasbro had added to keep fingers out of the cavity held their fingers against it when they put their hand inside. In February 2007, Hasbro recalled nearly 1 million units and offered consumers a free retrofit kit. But the problems continued and resulted in the July 2007 recall, which included a refund rather than the retrofit. Other models of Easy Bake Ovens did not pose the same hazard and are still on the market.

Table 3: Top Five Injury-Causing Products from 2007-2017

Manufacturer	Product	Injury	Injury Type
Hasbro, Inc.	Easy-Bake Ovens	77	Thermal Burn, Entrapment
Tractor Supply Company	Traveler Recreational Tubes	21	Skin Irritation or Burn
McDonald’s Corp	“Step-iT” Activity Wristbands	7	Burn
Avon Products Inc.	Cozy Warming Polar Bears	6	Thermal Burn
MZB of Long Island City, N.Y.	MZB Children’s “Light Up” Watches	6	Skin Irritation or Burn

The Scale of a Recall

Often the publicity over the injuries or deaths that triggered the recall distracts attention from the scale of a recall, which can be tens of millions of units. Each unit puts individuals as well as their families at risk of fire and burn hazards, and recalls are often unsuccessful at eliminating this risk.

From June 2007 to July 2017, the CPSC issued 121 recalls of children’s products because of fire or burn hazards. Combined, these add up to over 40 million individual units, just over the period of 10 years. Yet, many recalled products may not be corrected or destroyed. In *A KID Report Card: Children’s Product Recalls in 2016*, KID found that only 10.06% of recalled units were corrected or destroyed by consumers in 2015.⁸ This means that the majority of the defective products purchased by parents and caretakers remain in homes and childcare facilities, even after they have been recalled.

Table 4: Top 5 Children’s Product Recalls by Units

Product	Manufacturer	# Units	Defect	# Reported Failures	# Injuries
“Step-iT” Activity Wristbands	McDonald’s Corp	29 million	Exposure Hot Surface/Substance	70	7
MZB Children’s “Light-Up” Watches	MZB	1.9 million	Exposure to Hot Surface/Substance	11	6
Easy-Bake Ovens	Easy-Bake	1 million	Entrapment and Thermal Burn	249	77
Rechargeable batteries in Summer Infant video monitors	Summer Infant	985,000	Battery failure	22	None reported
Sky Scrambler & Sharper Image Wireless Indoor Helicopter	Innovage LLC	800,000	Battery Failure	1	None reported

⁸ Kids in Danger, *A KID Report Card: Children’s Product Recalls in 2016*, p. 13, March 2017, Retrieved from http://www.kidsindanger.org/docs/research/KID_2017_Annual_Report_040317.pdf

Looking Back and Moving Forward

The Consumer Product Safety Improvement Act (CPSIA), which was signed into law in 2008, requires that all children's products are tested by a third party to ensure that they comply with safety standards. CPSIA has resulted in fewer recalls for children's products because dangerous products are more likely to be identified before they hit the market.⁹ Most significantly, there has been a decrease in the number of toys recalled. Between 2001 and 2008, an average of 57 toys were recalled each year. Since then, an average of 20 toys have been recalled each year, and that number continues to decrease.

However, the number of products recalled for fire and burn hazards has skyrocketed in recent years. Eighty-two products were recalled between 1992 and 2007—an average of 5.47 per year—for posing fire and burn hazards. Comparatively, an average of more than 12 products were recalled each year since 2007. Advances in technology have led to the innovation of exciting new products that aren't necessarily held to the same testing requirements. Consequently, more products, such as hoverboards, have been sold without undergoing thorough safety testing.

These numbers should be a wakeup call: manufacturers need to design safer products with reliable technology and regulatory agencies need to enforce higher safety standards that keep dangerous products off store shelves. In moving forward, manufacturers, government, and consumers must work together to achieve these goals and improve children's product safety.

What Can Parents and Caregivers Do to Keep their Children Safe?

Though we've seen an increase in the number of recalled children's products, the news isn't all bad: we've also seen a growing number of resources available for parents to keep their children safe. In 2011, the CPSC launched saferproducts.gov, a product safety database where caregivers can research and report dangerous products. And smartphone apps, such as Recalls Pro, can provide information about recalls instantly. In addition to exploring these resources for recalled products, KID recommends:

- Report incidents so that the CPSC and manufacturer are aware of product defects.
- Follow installation and instruction manuals closely, and pay attention to age restrictions.
- Only charge products while you're in the room—even products that haven't been recalled can be at risk for overheating.

⁹ Kids in Danger, *A Decade of Data: An In-depth Look at 2014 and a Ten-Year Retrospective on Children's Product Recalls*, p. 6, February 2015, Retrieved from http://www.kidsindanger.org/docs/research/2015_KID_Recall_Report.pdf

Methodology

- In researching this report, we examined recall press releases issued jointly by the product manufacturer and the CPSC and children’s products posing a fire, burn, or electric shock hazard were recorded. This report expands on KID’s [previous research](#), creating a continuous record of products recalled for fire and burn hazards.
- Sources of data not collected from public information about recalls released by the U.S. Consumer Product Safety Commission are noted in footnotes.
- A children’s product is defined as any product designed or intended for the care of or use by children. Other products that pose a potential danger to children but are not intended for their use or care are not counted as children’s products. For example, the Samsung Galaxy Note7 smartphone, which was recalled in October 2016, posed serious fire and burn hazards to consumers. This product was not intended for use by children, and thus not considered a children’s product. However, we did include hoverboards since their intended users include children under 14.
- The CPSC web site (<http://www.cpsc.gov>) was searched for press releases dated from June 2007 to July 2017. Press releases issued jointly by a product manufacturer and the CPSC reporting children’s product recalls were examined. Those posing a fire, burn, or electric shock hazard were included in this study.

Defect	Description of Defect
Violation of Federal Flammability Standard	Products violate federal flammability standard, which requires that fabric does not burn faster than a newspaper. Many products specifically violate the standards for children’s sleepwear.
Battery Failure	Batteries can overheat or short circuit and cause thermal burns.
Electrical Failure	The most common defects were related to circuit boards, which can cause electrical shorts or overheat. In the case of the “Happy Holidays! Mickey Mouse Nightlights,” liquid can leak into electrical outlet and pose a fire hazard.
Exposure to Hot Substance/Surface	Product defects leave hot substances/surfaces exposed, putting consumers at risk of thermal burns. In many cases, batteries can overheat and make products dangerous to touch.
Ignitable	Product is at risk for catching on fire

Appendix

Date	Manufacturer	Product	Product Type	Defect	Units Recalled	Incidents	Injuries
06/19/07	Jakes Fireworks Inc.	March or Die Mine/Shell Fireworks Devices	Outdoor & Sports	Exposed Hot Surface or Substance	4,000	0	0
07/19/07	Hasbro Inc.	Easy-Bake Oven	Toy	Exposed Hot Surface or Substance	1,000,000	249	77
11/15/07	The Bon Ton Department Stores Inc.	Girls and Boys Bath Robes	Clothing	Flammable	1,000	0	0
02/12/08	Soft Air USA Inc.	Remote-Controlled Helicopter Toys	Toy	Battery Failure	30,000	6	1
02/19/08	Dunmar International USA	Cinderella 12-Volt Electric Ride-On Vehicles	Toy	Battery Failure	64,000	40	0
03/27/08	Avon Products Inc.	Cozy Warming Polar Bears	Toy	Ignitable	113,000	41	6
04/14/08	Hobby Lobby Stores Inc.	Lithium-polymer battery chargers and batteries	Toy	Battery Failure	3,200	3	1
05/08/08	Munchkin Inc.	Deluxe Bottle and Food Warmers	Nursery	Electric Failure	5,000	9	0
05/29/08	Tradewinds International	"Sky Champion" Wireless Indoor Helicopters	Toy	Battery Failure	152,000	2	0
06/26/08	Westminster Inc.	"Thunder Wolf" Remote Controlled Indoor Helicopter	Toy	Battery Failure	102,000	7	0
07/24/08	Innovage LLC	Wireless Indoor Helicopters	Toy	Battery Failure	685,000	2	1
08/19/08	Hobbico Inc.	Batteries Used In Radio-Controlled Helicopter Kits	Toy	Battery Failure	11,000	28	0
09/10/08	Ashley Collection Inc.	"Protocol" Remote - Controlled Mini Helicopters	Toy	Battery Failure	78,000	9	1
10/15/08	Dollar General	Battery Operated Toy "Speed Boats"	Toy	Battery Failure	200,000	2	0

10/22/08	Performance Designed Products	Rage Wireless Guitars	Toy	Battery Failure	57,000	1	1
10/23/08	LeapFrog Enterprises Inc.	Rechargeable Batteries and Recharging Station for Diji Custom Gaming System	Toy	Battery Failure	35,500	12	1
11/13/08	Cobra Electronics	Children's Two-Way Radios	Toy	Exposed Hot Surface or Substance	8,000	0	0
01/22/09	Mad Dog Concepts	Tony Hawk Boy's Pajama Sets	Clothing	Flammable	25,000	0	0
06/04/09	Warm Biscuit Bedding Co.	Loungewear Garments	Clothing	Flammable	9,500	0	0
07/21/09	LEGO Systems Inc.	Power Functions IR Remotes	Toy	Battery Failure	1,600	4	0
08/11/09	Griffin International Cos.	Psyclone Essentials & React Wii 4-Dock Battery Recharge Stations	Toy	Battery Failure	220,000	6	2
10/28/09	Target	Halloween Flashlights	Toy	Battery Failure	610,000	8	1
12/10/09	Little Miss Matched, Inc.	Girls Pajama Sets	Clothing	Flammable	7,000	0	0
12/10/09	Osram Sylvania Products	LED Rocketship PalPODzzz Portable Nightlights	Toy	Exposed Hot Surface or Substance	26,000	3	3
01/26/10	RadioShack Corp	Danbar Knight Hawk Toy Helicopters	Toy	Battery Failure	6,000	1	0
02/09/10	Innovage LLC	Discovery Kids	Toy	Electric Failure	360,000	9	1
03/10/10	K.J. Sportswear California	Children's Pajamas	Clothing	Flammable	9,200	0	0
05/05/10	Roberta Roller Rabbit	Children's Kimono Robe, Lounge Sets and Slumber Short Sets	Clothing	Flammable	9,200	0	0
05/10/10	Imagine Nation Books	"Fly Dragonfly"	Toy	Battery Failure	46,000	49	0
05/13/10	Tommy Hilfiger U.S.A. Inc.	Tommy Hilfiger Sweatshirts	Clothing	Flammable	1700	0	0
08/12/10	Circus World Displays Limited	Levana Wireless Video Baby Monitors	Toy	Battery Failure	800	2	0
08/24/10	Williams-Sonoma Inc.	Beaba Express Steam Bottle Warmers	Nursery	Electric Failure	11,000	10	2

10/19/10	Dollar Tree Stores Inc.	Wolverine, Spider-Man and Iron Man 2 Projector Flashlights	Toy	Battery Failure	275,000	0	0
10/28/10	Dollar Tree Stores Inc.	Halloween Lanterns	Toy	Battery Failure	682,000	1	0
12/07/10	Target Corp.	Space Camp Combo Pack	Nursery	Flammable	1,500	0	0
01/25/11	Family Dollar Stores	RC toy tanks	Toy	Battery Failure	67,000	5	0
02/09/11	AmerTac	LED Night Lights	Nursery	Electric Failure	261,000	18	1
02/11/11	Summer Infant Inc.	Batteries with Slim and Secure™ Video Monitors	Nursery	Battery Failure	58,000	5	0
03/10/11	Land of Nod	Camp Nod lantern nightlights	Nursery	Electric Failure	9,700	16	1
04/07/11	Fashionviews Inc.	P.Jamas children's sleepwear	Clothing	Flammable	40,000	0	0
05/11/11	UJ Trading	Toy Helicopters	Toy	Battery Failure	18,500	0	0
06/30/11	Sage Creek Organics	Children's sleepwear	Clothing	Flammable	600	0	0
07/20/11	Target	Circo Children's Task Lamps	Nursery	Electric Failure	13,000	6	0
07/27/11	Prime-Line Products Company Inc.	Safety Latches and Outlet Covers	Nursery	Electric Failure	37,000	4	0
09/02/11	Corvest Acquisition Inc.	LED Night Lights	Nursery	Electric Failure	10,000	5	0
12/01/11	Nygala Corp.	Halloween Projection Flashlights	Toy	Battery Failure	10,000	1	0
12/08/11	Bliss Collection LLC	Children's Henley Pima Cotton Pajamas	Clothing	Flammable	2300	0	0
12/23/11	Hanna Andersson	Children's fleece robes	Clothing	Flammable	1000	0	0
12/23/11	Group Lemur Inc.	Children's pajamas	Clothing	Flammable	1750	0	0
02/16/12	Ganz U.S.A. LLC.	Dancing Teapots	Toy	Exposed Hot Surface or Substance	2,100	0	0
02/28/12	Papa Bear Loungeabouts,	Children's sleepwear	Clothing	Flammable	10,000	0	0
03/30/12	Happy Shirts	Toy truck gifts	Toy	Battery Failure	9,000	4	0
06/28/12	Ishtex Textile Products Inc.	Gabiano Collection Pajamas	Clothing	Flammable	6,000	0	0

06/28/12	PajamaGram	Children's pajamas	Clothing	Flammable	12,000	0	0
06/28/12	Rigo International Inc.	Pull-On Lounge Pants and Boxers	Clothing	Flammable	210,000	1	1
07/03/12	Innovage LLC.	Discovery Kids™ Animated Marine and Safari Lamps	Toy	Electric Failure	300,000	11	0
08/07/12	My Clothes Inc.	Children's Pajamas	Clothing	Flammable	1,100	0	0
08/30/12	Tractor Supply Company	Traveller Recreational Tubes	Outdoor & Sports	Exposed Hot Surface or Substance	10,900	21	21
09/12/12	Bluestem Brands, Inc.	Range Rider Ride-On Toy Cars	Outdoor & Sports	Battery Failure	4700	9	0
10/31/12	Imagine Nation Books	Double Dazzler Light Show	Toy	Battery Failure	1700	5	0
11/01/12	Atico International USA Inc.	Halloween Mini Projection Lights	Toy	Battery Failure	3000	2	1
11/20/12	J.P. Boden & Co. Ltd.	Children's Pajamas	Clothing	Flammable	1130	0	0
11/20/12	Elephantito	Girls' Pajamas	Clothing	Flammable	180	0	0
01/15/13	Target	Girls' Circo Fleece Blanket Sleepers	Clothing	Flammable	42,000	0	0
01/15/13	Target	Children's pajama sets	Clothing	Flammable	560,000	0	0
03/05/13	Nantong Hengqiang Sports Goods Co., Zhejiang Navigate Industry & Trading Co.	"Style my Room by Justice" Disco Lights	Nursery	Electric Failure	19,100	1	0
03/14/13	Wellbrain International, of China	Battery-powered BrightLight™ blankets	Nursery	Battery Failure	5,200	4	1
03/14/13	UNIQLO	Children's Pajamas	Clothing	Flammable	700	0	0
04/02/13	Midwest Trading Group, Inc., Addison, Ill.	Remote-Controlled Banshee 3 Channel helicopters	Toy	Battery Failure	9,400	1	0
04/10/13	BedHead Pajamas Inc.	Children's Pajama Sets	Clothing	Flammable	800	0	0
05/29/13	Vive La Fete Inc., of Miami	Children's pajama sets	Clothing	Flammable	710	0	0
06/25/13	Kiel Technology Ltd.	Dynamite 7.4 V LiPo batteries	Toy	Battery Failure	117	0	0
07/03/13	Toys R Us Inc., of Wayne, N.J.	Remote-controlled 3 channel helicopters	Toy	Battery Failure	7,400	11	0

08/20/13	Apple Park	Children's loungewear sets	Clothing	Flammable	7,250	0	0
08/20/13	Klever Kids	Children's Pajamas and Nightgowns	Clothing	Flammable	7,000	0	0
09/17/13	The Children's Place	Children's footed pajamas	Clothing	Flammable	38,000	0	0
11/12/13	Babycottons	Children's nightgowns	Clothing	Flammable	1,100	0	0
11/12/13	L.L. Bean	L.L. Bean girls' pajama sets	Clothing	Flammable	800	0	0
11/21/13	The Bailey Boys, Inc.,	Boy's Loungewear Pants	Clothing	Flammable	2,000	0	0
03/25/14	Tak Ngai Electronic Toys Co., LTD	My Sweet Love / My Sweet Baby Cuddle Care Baby Doll	Toy	Battery Failure	174,000	12	2
04/09/14	J.P. Boden Services	Boys' pajamas	Clothing	Flammable	210	0	0
04/23/14	Summer Infant	Rechargeable batteries	Nursery	Battery Failure	800,000	22	0
05/27/14	Empress Arts Ltd. of Valencia, Calif.	Children's Pajamas	Clothing	Flammable	1400	0	0
10/28/14	Meijer Distribution Inc.	Halloween flashlights	Toy	Battery Failure	8,600	1	0
12/04/14	Horizon Hobby Inc.	Super Cub S Ready-To-Fly and Bind-N-Fly Power Supply and Charger	Toy	Battery Failure	6,800	18	0
12/18/14	Giggles International Ltd.	Animated Sing-Along Monkey	Toy	Battery Failure	13,000	2	0
01/08/15	Star Ride Kids	Children's pajama sets	Clothing	Flammable	7,000	0	0
02/04/15	Lazy One, Inc.	Children's pajamas and robes	Clothing	Flammable	8,400	0	0
03/04/15	KTM North America, Inc.	Children's Pajamas	Clothing	Flammable	2,800	0	0
03/12/15	Mars Retail Group	Youth Loungewear Pants	Clothing	Flammable	19,000	0	0
03/27/15	Lands' End Inc.	Children's Pajamas and Robes	Clothing	Flammable	173,000	0	0
04/08/15	Smooth Industries	Children's Pajamas	Clothing	Flammable	7,600	0	0
04/23/15	Roberta Roller Rabbit	Children's Pajama Sets	Clothing	Flammable	32,000	0	0
07/21/15	Target Corp.	Circo Night Lights	Nursery	Battery Failure	143,000	2	0
07/30/15	Stork Craft Manufacturing	Foam crib mattresses	Nursery	Flammable	18,500	0	0

08/05/15	MZB	"Light Up" Watches	Jewelry	Exposure to Hot Surface or Substance	1,900,000	11	6
09/08/15	IKEA North America Services LLC	VYSSA SPELEVINK crib mattresses	Nursery	Flammable	38,400	0	0
01/07/16	Zulily Inc.	Children's Pajamas	Clothing	Flammable	450	0	0
02/04/16	Dollar General Corp.	Toy trucks	Toy	Battery Failure	27,000	0	0
03/31/16	Creating X	Children's Footed Pajamas	Clothing	Flammable	5,400	0	0
04/05/16	Eleanor Rose	Children's Loungewear	Clothing	Flammable	5,900	0	0
06/10/16	Auldey Toys North America	Sky Rover toys	Toy	Electric Failure	325,000	35	0
06/21/16	Mayborn USA Inc.	Electric bottle and food warmers	Nursery	Electric Failure	255,000	6	0
06/29/16	Saro Trading Company	Children's nightgowns	Clothing	Flammable	7,800	0	0
07/06/16	Ten different manufacturers	Self-balancing scooters/hoverboards	Outdoor & Sports	Ignitable	501,300	100	18 injuries, 2 deaths
08/23/16	McDonald's Corp.	"Step-iT" Activity Wristbands	Jewelry	Battery Failure	29,000,000	70	7
10/13/16	Roylco Inc.	Roylco Educational Light Cube	Nursery	Battery Failure	1,400	3	0
10/27/16	Peg Perego USA	Children's Ride-On Vehicles	Outdoor & Sports	Battery Failure	3,000	3	1
11/15/16	Wenzhou Weihao Light Industry Co. LTD	Projection Night Lights	Nursery	Electric Failure	39,000	7	0
12/13/16	World Trading	Orbit self-balancing scooters/hoverboards	Outdoor & Sports	Ignitable	1,900	1	1
01/11/17	Booster Inc.	Electric skateboards	Outdoor & Sports	Battery Failure	3,200	2	0
02/02/17	Disney Destinations, LLC,	Happy Holidays! Mickey Mouse Nightlights	Nursery	Electric Failure	3,000	2	0
03/14/17	Performance Designed Products LLC	Energizer XBOX ONE 2x Smart Chargers	Toy	Battery Failure	121,000	24	0
03/14/17	LCK Design LLC	Children's Robes & Pajamas	Clothing	Flammable	1,200	0	0

03/23/17	Vecaro LifeStyle	Self-Balancing Scooters/Hoverboards	Outdoor & Sports	Ignitable	500	3	0
04/25/17	Horizon Hobby LLC	Remote-Controlled Model Vehicles	Toy	Battery Failure	18,600	19	0
05/10/17	AM Conservation Group Inc.	Luminescent Night Lights	Nursery	Electric Failure	37,000	14	0
05/12/17	Shenzhen Jiayuanwei Electronic Co. Ltd.	Science Expeditions Northern Lights Science Kits	Toy	Battery Failure	7,000	7	0
06/01/17	Kreative Kids Inc.	Children's Robes	Clothing	Flammable	7,600	0	0
06/15/17	Little Giraffe	Luxe Satin Children's Robes	Clothing	Flammable	2,000	0	0
07/24/17	China	Self-Balancing Scooters/Hoverboards	Outdoor & Sports	Ignitable	2,800	2	0