

Annex

Toys and Children’s Products Safety Ordinance (Cap. 424)
Updates to Standards Specified for Toys and Schedule 2 Products
2022

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
Schedule 1 - Toy Standards				
<i>International Standard</i>				
(i)	ISO 8124-1:2018	<p>ISO 8124-1:2018 (incorporating Amendment 1:2020) (June 2020) and</p> <p>ISO 8124-1:2018 (incorporating Amendment 2:2020) (June 2020)</p>	<ul style="list-style-type: none"> ● To revise the terminological entries – free flight and leading edge; ● To add the terminological entries – flying toy and remote-controlled flying toy; ● To revise the subclauses – flying toys; and ● To add the subclauses – perpendicular tension test for rotor blades, tension test for rotor blades, general safety labelling guidelines for flying toys and remote-controlled flying toy. 	<ul style="list-style-type: none"> ● 3.24 and 3.38 ● 3.86 and 3.87 ● 4.19 and E.33 ● 5.24.6.6, 5.24.6.7, B.2.26, B.2.26.1 and B.2.26.2
			<ul style="list-style-type: none"> ● To add the terminological entry – toy bag; ● To revise the subclauses – expanding materials, general requirements in shape, size & strength of certain toys, other toys with folding mechanisms, expanding materials, general procedure in tension test, projectile toys, 	<ul style="list-style-type: none"> ● 3.88 ● 4.3.2, 4.5.1.1, 4.12.2, 5.21, 5.24.6.1, B.2.15, E.5 and E.21

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<p>expanding materials & accessible clearances and movable segments; and</p> <ul style="list-style-type: none"> ● To add the subclauses – assembly. 	<ul style="list-style-type: none"> ● 4.36
(ii)	ISO 8124-4:2014 (incorporating Amendment 2:2019)	ISO 8124-4:2014 (incorporating Amendment 1:2017) (July 2017) and ISO 8124-4:2014 (incorporating Amendment 2:2019) (March 2019)	<ul style="list-style-type: none"> ● To revise the requirement for apparatus to be used in test. 	<ul style="list-style-type: none"> ● 6.1.5.2, Figure 21
(iii)	ISO 8124-7:2015	ISO 8124-7:2015 (incorporating Amendment 1:2020) (June 2020)	<ul style="list-style-type: none"> ● To revise the maximum limit values of the concentration of elements for finger paint; and ● To revise the limit values and test methods for the migration of certain elements in finger paints. 	<ul style="list-style-type: none"> ● 4.4 ● Annex A (A.4)
European Standard				
(i)	BS EN 71-2:2011+A1:2014	BS EN 71-2:2020 (December 2020)	<ul style="list-style-type: none"> ● To add the terms and definitions – cleansing, flowing elements, highly flammable solid, toy disguise costume, toys intended to be entered by a child and washing; ● To revise the general requirements; ● To revise the requirements of toys to be worn on the 	<ul style="list-style-type: none"> ● 3.2, 3.8, 3.10, 3.15, 3.16 and 3.17 ● 4.1 ● 4.2

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<p>head;</p> <ul style="list-style-type: none"> ● To add the requirements for testing toy disguise costumes before and after washing; ● To revise the method for preparing test specimens from toy disguise costumes; ● To add wire mesh as test specimen holder for testing of narrow materials; ● To add the requirements for testing certain soft-filled parts of toy disguise costumes; ● To add pictorial examples of toys and their application; ● To revise the test relating to toy disguise costumes and toys intended to be entered by a child; ● To add suggestions to help reduce rate of spread of flames for toy disguise costumes; and ● To add flowcharts showing how to obtain test specimens from toy disguise costumes. 	<ul style="list-style-type: none"> ● 5.4.1.1 ● 5.4.1.2 ● 5.4.2 ● 5.5 ● Annex A (A.3, Table A.1 and A.4, Table A.2) ● Annex A (A.7) ● Annex A (A.8) ● Annex A (A.9)
(ii)	BS EN 71-3:2019	BS EN 71-3:2019+A1:2021 (April 2021)	<ul style="list-style-type: none"> ● To revise the migration limits for Aluminium for all material categories and Chromium (VI) for material Category III; and 	<ul style="list-style-type: none"> ● 4.2 (Table 2)

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> To change the definitions of V1 and V2 for calculation of correction factor F, which is in turn used for calculation of the amount of migrated Chromium (VI). 	<ul style="list-style-type: none"> Annex F (F.6.2)
(iii)	BS EN 71-4:2013	BS EN 71-4:2020 (October 2020)	<ul style="list-style-type: none"> To add the exclusion of the standard to combined sets; To add the general permission for inclusion of food additives and their mixtures in chemistry sets; To revise the requirements for packaging in containers; To revise the requirements on closures for child-resistant containers by permitting only closures in compliance with EN ISO 8317:2015; To revise the requirements for marking of the primary packaging; To add the requirement for giving the safety rule “always wear eye protection” for specified carbon dioxide generating experimental set; and To add new clauses on combined sets, use of substances / mixtures not provided with a chemistry set and markings, labelling and warnings. 	<ul style="list-style-type: none"> 1 4.1.1 4.1.3 5.2.4 6.3 8.3 Annex A (A.4, A.5 and A.6)

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
(iv)	BS EN 71-13:2014	BS EN 71-13:2021 (April 2021)	<ul style="list-style-type: none"> ● To revise the requirements on olfactory board games using substances and mixtures recognized as food flavours or food ingredients; ● To revise the requirements on cosmetic kits, in particular the general requirements and the requirements regarding substances and mixtures; ● To add the general permission for inclusion of substances and mixtures recognised as food flavours and other food ingredients in gustative games; ● To revise the requirements on equipment, in particular regarding containers and glassware; ● To revise the requirements on closures for child-resistant containers by permitting only closures in compliance with EN ISO 8317:2015; ● To revise the requirements on general warnings and markings; and ● To add new clauses on markings, labelling and warnings. 	<ul style="list-style-type: none"> ● 4.1.2 ● 4.2.1 ● 4.3.2 ● 5.2.2.1 ● 5.2.3 ● 6.1 ● Annex A (A.7)

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
(v)	BS EN 62115:2005+A12:2015	BS EN IEC 62115:2020+A11:2020 (May 2020)	<ul style="list-style-type: none"> ● To revise the normative references to international publications with their corresponding European publications; ● To revise the rationales of this standard; ● To revise the general conditions for a set of pre-conditioning treatments particular for the electric toys; ● To revise the criteria for reduced testing; ● To revise the test condition for electric toys used in liquid, mechanical strength and construction; ● To add the requirements on safety of electric toys incorporating optical radiation sources; ● To add the functional and safety system requirements of remote-control for electric ride-on toys; ● To add the requirement for preventing the parent unexpectedly losing control of the toy; and ● To add the flow charts showing the application of Clause 9. 	<ul style="list-style-type: none"> ● Annex ZA ● Annex ZB (ZB.2) ● 5 ● 6 ● 11, 12 and 13 ● Annex E ● Annex J ● Annex J (9.J.1) ● Annex K

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
Schedule 2 - Product Standards				
<i>Baby walking frames "2"</i>				
(i)	BS EN 1273:2005	BS EN 1273:2020 (July 2020)	<ul style="list-style-type: none"> ● To add the specifications for test equipment; ● To add the general requirements and test conditions; ● To add the requirement and test method to evaluate chemical hazards; ● To add the requirement and test method to evaluate thermal hazards; and ● To add the requirement and test method to evaluate mechanical hazards. 	<ul style="list-style-type: none"> ● 4 ● 5 ● 6 and Annex A (A.2) ● 7 and Annex A (A.3) ● 8 and Annex A (A.4)
<i>Bottle teats "3"</i>				
(i)	BS EN 14350-1:2004 BS EN 14350-2:2004	BS EN 14350:2020 (June 2020)	<ul style="list-style-type: none"> ● To revise the terms and definitions of matched components; ● To add the terms and definitions of drinking accessory, protective cover, handle, clip, cord or loop, graduations, single-use product, re-usable product, ready to use product and outer packing; ● To add the tolerances in mechanical tests; ● To add the general and sample preparation for construction and mechanical properties; 	<ul style="list-style-type: none"> ● 3.1 ● 3.2, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13 and 3.14 ● 5.6 ● 6 and Annex B

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add or revise construction and mechanical requirements and associated test methods; ● To add the chemical requirements and test methods by component, and material; ● To revise the required information to be shown in warnings and add translations; and ● To add the information required in the test report. 	<ul style="list-style-type: none"> ● 7 and Annex B ● 8, Annex B and Annex C ● 10.3 and Annex A ● 11
<i>Bunk beds for domestic use “4”</i>				
(i)	ASTM F1427-19	ASTM F1427-21 (April 2021)	<ul style="list-style-type: none"> ● To revise the dimensions (expressed in millimetre) of vertical protrusions, the mattress size and fit (lower foundation), bolt-on side rails, guardrail, bed structure and ladders; ● To revise the dimensions (expressed in millimetre) of testing equipment (rigid sphere and a sheet of thick plywood); and ● To revise the size (expressed in millimetre) of the letters of the word warning and the size (expressed in millimetre) of the letters of the warnings appear on the carton containing bed ends. 	<ul style="list-style-type: none"> ● 4.1, 4.4, 4.6.1, 4.7.3, 4.7.5, 4.8 and 4.9 ● 5.4 and 5.7 ● 6.2.2 and 6.2.3

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
<i>Children's high chairs and multi-purpose high chairs for domestic use "8"</i>				
(i)	ASTM F404-18a	ASTM F404-20 (October 2020)	<ul style="list-style-type: none"> ● To revise the safety requirements for incorporating ASTM F963 for toy accessories included with high chairs; ● To add the stability requirements on high chairs and high chair accessories; ● To add the requirement for horizontal pull test and vertical pull test in the front torso support and clarify test purpose; ● To add separate sections for seat static load test for high chairs that are for use with children weighting i) over 20 lb (9 kg) and ii) 20 lb (9 kg) or less; ● To add separate sections for tray static load test for high chairs that are for use with children weighting i) over 20 lb (9 kg) and ii) 20 lb (9 kg) or less; ● To add separate sections for stability testing for high chairs that are for use with children weighing i) over 20 lb (9 kg) and ii) 20 lb (9 kg) or less; ● To add exclusion of high chairs and products with a high chair accessory only for use with children weighting 20 lb (9 kg) or 	<ul style="list-style-type: none"> ● 5.12 ● 6.5.2 ● 7.4 and 7.5 ● 7.6.1.1 and 7.6.1.2 ● 7.6.3.1 and 7.6.3.2 ● 7.7.2 and 7.7.3 ● 7.10.1

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<p>less from dynamic high chair test; and</p> <ul style="list-style-type: none"> To add specific wording to describe the restraining system for those high chairs for use only with children weighting 20 lb (9 kg) or less. 	<ul style="list-style-type: none"> 9.3.3
Children's paints "9"				
(i)	BS EN 71-3:2019	BS EN 71-3:2019+A1:2021 (April 2021)	<ul style="list-style-type: none"> To revise the migration limit for Aluminium for all material categories and Chromium (VI) for material Category III; and To change the definitions of V1 and V2 for calculation of correction factor F, which is in turn used for calculation of the amount of migrated Chromium (VI). 	<ul style="list-style-type: none"> 4.2 (Table 2) Annex F (F.6.2)
(ii)	AS/NZS 8124.3:2012 (Incorporating Amendment 1:2016)	AS/NZS ISO 8124.3:2021 (January 2021)	<ul style="list-style-type: none"> To revise the terms and definitions of paper and paperboard; To add the terms and definitions of method blank, calibration blank, instrument detection limit IDL and calibration check solution; To revise the maximum acceptable values of element migration from toy materials (finger paint); 	<ul style="list-style-type: none"> 3.5 and 3.6 3.9, 3.10, 3.11 and 3.12 4.2 (Table 1)

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add the use of inductively coupled plasma optical emission spectrometry as one of the analytical methods to determine the concentrations of soluble elements; ● To revise the means of measuring pH to proper accuracy without cross-contamination; ● To add the recommendations for the following apparatus - Soxhlet extractor, solvent extractor, high retention filter paper; ● To revise the methods for preparing test portion of materials intending to leave a trace in solid form; ● To revise the methods for preparing test portion of materials intending to leave a trace in liquid form; ● To revise the methods for preparing test portion of pliable modelling materials (including modelling clays and gels); ● To revise the methods for preparing test portion of paints, including finger paints, varnishes, lacquers, glazing powders and similar material in solid or liquid form; 	<ul style="list-style-type: none"> ● 5 ● 7.2 ● 7.7, 7.8 and 7.9 ● 9.7.1.1, 9.7.1.2 and 9.7.1.3 ● 9.7.2 ● 9.8.1 ● 9.9.1 and 9.9.2

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add new clauses on method of analysis and calculation of results for elemental analysis; and ● To revise the background and rationale on statistical uncertainty of the test procedure and interpretation of results, means of measuring pH, selection of test portions, and application to other materials (whether mass-coloured or not). 	<ul style="list-style-type: none"> ● 10 and Annex C ● Annex D (D.4, D.5.1, D.6 and D.10)

Children's safety harnesses "10"

(i)	BS EN 13210:2004	BS EN 13210-1:2020 (November 2020)	<ul style="list-style-type: none"> ● To revise the terms and definitions of harness, waist belt, shoulder straps and wrist type walking rein; ● To add the terms and definitions of training rein, training rein extender and leading rein; ● To revise the features required for test equipment – test frame and test dummy; ● To add the terms and definitions of shackles and release mechanisms; ● To add the limits for migration of elements from surface materials from the view of chemical hazards; 	<ul style="list-style-type: none"> ● 3.1, 3.2, 3.3 and 3.8 ● 3.4, 3.5 and 3.6 ● 4.1 and 4.2 ● 4.3.4 and 4.3.5 ● 6
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	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To revise the requirements for the minimum width of waist belt and shoulder straps; ● To add the requirements for the maximum length of training rein extender and the minimum width of wrist type walking rein; ● To add the structural integrity requirements for the harness with training rein and training rein extender; ● To add the test methods for harness with training rein and training rein extender, wrist type walking chain and strength of fastener; ● To revise the requirement for cords, ribbons and parts used as ties applies to a maximum free length when stretched by a force of 25 N; ● To add the requirement for testing any component or parts of a component that is removed with EN71-1 to evaluate the choking and ingestion hazard; ● To add the requirement for marking plastic covering used for packaging with a warning statement against suffocation from packaging materials; and 	<ul style="list-style-type: none"> ● 7.1.3 and 7.1.4 ● 7.1.6 and 7.1.8 ● 7.2.1 ● 7.2.3, 7.2.6 and 7.2.7 ● 7.3.2 ● 7.4 ● 7.5

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
		<p>BS EN 13210-2:2020 (November 2020)</p>	<ul style="list-style-type: none"> ● To add the requirements on edges, projections and corners. ● To add the terms and definitions of harness with backpack or toy, backpack, toy, waist belt, shoulder traps, chest strap, grab handle and leading rein; ● To add the features required for test equipment – test frame and test dummy; ● To add the terms and definitions of shackles and grab handle test strap; ● To add the limits for migration of elements from surface materials from the view of chemical hazards; ● To add requirements for flammability from the view of thermal hazards and test methods; ● To revise the requirements for the minimum width of waist belt, chest strap, and shoulder straps; ● To add the structural integrity requirements for the harness / backpack / toy with a leading rein and the harness / backpack / toy with a grab handle; 	<ul style="list-style-type: none"> ● 7.6 ● 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7 and 3.8 ● 4.1 and 4.2 ● 4.3.3 and 4.3.5 ● 6 ● 7.1.1 and 7.1.2 ● 8.1.3 and 8.1.4 ● 8.2.1

	Current Specified Standards	Updated Standards (Publication/ Effective Date)	Major Changes/Remarks	Affected Clauses (with reference to the Updated Standards)
			<ul style="list-style-type: none"> ● To add the test methods for the harness / backpack / toy with a leading rein and the harness / backpack / toy with a grab handle; ● To revise the requirement for cords, ribbons and parts used as ties applies to a maximum free length when stretched by a force of 25 N; ● To add the requirement for testing any component or parts of a component that is removed with EN71-1 to evaluate the choking and ingestion hazard; ● To add the requirement for marking plastic covering used for packaging with a warning statement against suffocation from packaging materials; and ● To add the requirements on edges, projections and corners. 	<ul style="list-style-type: none"> ● 8.2.2 and 8.2.3 ● 8.3.2 ● 8.4.1 ● 8.5 ● 8.6