

Australian/New Zealand Standard™

Safety of toys

Part 2: Flammability (ISO 8124-2:2014, MOD)



AS/NZS 8124.2:2016

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-018, Safety of Children's Toys. It was approved on behalf of the Council of Standards Australia on 16 May 2016 and by the New Zealand Standards Approval Board on 2 June 2016.

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The following are represented on Committee CS-018:

Australian Chamber of Commerce and Industry
Australian Competition and Consumer Commission
Australian Industry Group
Australian Toy Association
Children's Hospital, Westmead
CHOICE
Consumer Affairs Victoria
Consumers Federation of Australia
Kidsafe
Ministry of Business Innovation and Employment, New Zealand
National Acoustic Laboratories
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NSW Fair Trading
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Part 2: Flammability (ISO 8124-2:2014, MOD)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-018, Safety of Children's Toys, to supersede AS/NZS ISO 8124.2:2009, *Safety of toys, Part 2: Flammability*.

The objective of this Standard is to provide flammability requirements for toys, and flammability labelling requirements for certain materials used in or on toys.

This Standard is an adoption with national modifications, and has been reproduced from ISO 8124-2:2014, *Safety of toys, Part 2: Flammability*. The modification is to replace references to an international normative reference with references to a non-identical national Standard as set out below.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text 'this part of ISO 8124' should read 'this Australian/New Zealand Standard'.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to ISO 8124-1 shall be replaced by references to the Australian/New Zealand Standard, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO	AS/NZS
8124 Safety of toys	8124 Safety of toys
8124-1 Part 1: Safety aspects related to mechanical and physical properties	8124.1 Part 1: Safety aspects related to mechanical and physical properties (ISO 8124-1:2014, MOD)

Other normative references listed in Clause 2 have not been adopted as Australian or Australian/New Zealand Standards.

The term 'informative' has been used in this Standard to define the application of the annexes to which it applies. An 'informative' annex is only for information and guidance.

AS/NZS 8124 consists of the following parts under the general title, *Safety of toys*:

- Part 1: Safety aspects related to mechanical and physical properties (ISO 8124-1:2014, MOD)
- Part 2: Flammability (ISO 8124-2:2014, MOD)
- Part 3: Migration of certain elements (ISO 8124-3:2010, MOD)
- Part 6: Swings, slides and similar activity toys for indoor and outdoor family domestic use (ISO 8124-4:2014, MOD)
- Part 9: Organic chemical compounds—Requirements
- Part 10: Organic chemical compounds—Sample preparation and extraction
- Part 11: Organic chemical compounds—Methods of analysis

AS 8124 consists of the following parts under the same general title:

- Part 4: Experimental sets for chemistry and related activities
- Part 5: Chemical toys (sets) other than experimental sets
- Part 7: Finger paints—Requirements and test methods

There are regulated requirements for toys in Australia and New Zealand. Users of this Standard are reminded that such regulations may refer to specific versions of the Standard and may also make variations to the requirements stated in the referenced version. Compliance with this Standard can therefore not be relied on to ensure compliance with the legal requirements for the sale of toys. Suppliers of toys should familiarize themselves with all regulated requirements for toys and ensure compliance with those as well as this standard. Regulations for consumer products can be found at www.productsafety.gov.au

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5.3	Test relating to beards, moustaches, wigs, etc. made from <i>hair</i> , pile, or <i>material that behaves in a similar manner to hair</i> (e.g. free-hanging ribbons, paper, cloth strands, or other flowing elements), which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks	6
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AUSTRALIAN/NEW ZEALAND STANDARD

Safety of toys

Part 2:

Flammability (ISO 8124-2:2014, MOD)

1 Scope

This part of ISO 8124 specifies the categories of flammable materials that are prohibited in all toys, and requirements concerning *flammability* of certain toys when they are subjected to a minor source of ignition.

The test methods described in [Clause 5](#) are used for the purposes of determining the *flammability* of toys under the particular test conditions specified. The test results thus obtained cannot be considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

This part of ISO 8124 includes general requirements relating to all toys and specific requirements and test methods relating to the following toys, which are considered as being those presenting the greatest hazard:

- toys intended to be worn on the head: beards, moustaches, wigs, etc. made from *hair*, pile or *material that behaves in a similar manner to hair*; masks; hoods, headdresses, etc.; flowing elements of toys to be worn on the head, but excluding paper novelty hats of the type usually supplied in party crackers (see [A.4](#));
- toy disguise costumes and toys intended to be worn by a child in play (see [A.5](#));
- toys intended to be entered by a child (see [A.6](#));
- *soft-filled toys* (see [A.7](#)).

NOTE 1 Additional requirements for *flammability* of electric toys are specified in IEC 62115.

NOTE 2 There are very few accident data concerning the hazards associated with the *flammability* of toys.

NOTE 3 See [A.2](#).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2431:2011, *Paints and varnishes — Determination of flow time by use of flow cups*

ISO 6941:2003, *Textile fabrics — Burning behaviour — Measurement of flame spread properties of vertically oriented specimens*

ISO 8124-1:2012, *Safety of toys — Part 1: Safety aspects related to mechanical and physical properties*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply. Terms defined in this clause appear in italics throughout this part of ISO 8124.