

Safety of toys —

Part 1: Specification for mechanical and physical properties

This European Standard EN 71-1 has the status of a
British Standard

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This British Standard, having been prepared under the direction of the Textiles and Clothing Standards Policy Committee, was published under the authority of the Board of BSI on 28 April 1989. It comes into effect on 1 January 1990

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National foreword

This Part of BS 5665 has been prepared under the direction of the Textiles and Clothing Standards Policy Committee and is the English language version of EN 71 “Safety of toys” Part 1 “Mechanical and physical properties” published by the European Committee for Standardization (CEN).

This Part of BS 5665 was published on 28 April 1989 and will come into effect on 1 January 1990. It supersedes BS 5665-1:1979 and BS 5665-1:1987 which are withdrawn. It partly supersedes BS 3443:1968 which will be withdrawn on 31 December 1989.

EN 71-1 was produced as a result of international discussions in which the UK took an active part.

Additional information. When marking or specifying a product the manufacturer may mark or specify by reference to either the European Standard or the British Standard¹⁾.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations. In particular the attention of users is drawn to the Toys (Safety) Regulations 1974 (SI 1367), which will be revoked and replaced by new Regulations which will take effect from 1 January 1990.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 20, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ Marking EN 71-1 or BS 5665-1 on or in relation to a product represents a manufacturer's declaration of conformity, i.e. a claim by or on behalf of the manufacturer that the product meets the requirements of the standard. The accuracy of the claim is therefore solely the responsibility of the person making the claim. Such a declaration is not to be confused with third party certification of conformity, which may also be desirable.

Key words: Toys, safety requirements, specifications, building codes, mechanical properties, physical properties, tests, packing, marking, technical notices

English version

Safety of toys Part 1: Mechanical and physical properties

Sécurité des jouets
Partie 1: Propriétés mécaniques et physiques

Sicherheit von Spielzeug
Teil 1: Mechanische und physikalische
Eigenschaften

This European Standard was accepted by CEN on 20 December 1988. CEN members are bound to comply with the requirements of the CEN/CENELEC Rules which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Bréderoda 2, B-1000 Brussels

Brief history

The Commission of the European Communities (CEC) informed in March 1985 the CEN Technical Board (CEN BT) of the activities of the Commission concerning the preparation of a new proposal for an EEC-directive within the field of safety of toys (now published as Council Directive 88/378/EEC of 3 May 1988).

On 1987-02-20 the Commission submitted a draft standardization request to CEN. This request charges CEN with executing the adaptation of the European Standards EN 71-1 and EN 71-2 to the essential safety requirements and general measures forming part of the draft directive on safety of toys.

The draft standardization request was accepted by the CEN Technical Board on 1987-03-19/20. The acceptance was based on the recommendations made by a workshop on toys held in Brussels on 1987-02-04.

The CEN/TC 52 secretariat requested the members of the committee to consider, before 1987-04-01, whether EN 71-1 and EN 71-2 or the corresponding ISO Draft Proposals should form the basis of the carrying into effect of the mandate given by CEC. The enquiry showed that a small majority was in favour of basing the revision on the ISO Draft Proposals. However, the secretariat has estimated that such a revision would be impossible to carry out without an unreasonable exceeding of the time limit given by CEC.

Consequently, EN 71-1 and EN 71-2 were circulated on 1987-07-15 for enquiry. At the same time CEN/TC 52 established working groups with the tasks of carrying out the revision. They met in October 1987 in Manchester where the first proposals for revisions of EN 71-1 and EN 71-2 were prepared.

The enquiry showed that it would be possible to prepare final drafts for revisions of Parts 1 and 2. The final drafts were prepared on March 13, 14 and 15, 1988, in Stockholm. On March 15, 1988, CEN/TC 52 approved submission of the revised drafts to the CEN Central Secretariat for the formal voting procedure as final draft European Standards.

In accordance with the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Foreword

This European Standard consists of the following parts:

- *Part 1: Mechanical and physical properties;*
- *Part 2: Flammability properties;*

— *Part 3: Migration of certain elements.*

As a general rule toys are designed and manufactured for particular categories of children. Their characteristics are related to the age, and stage of development of the children and their use presupposes certain aptitudes.

Apart from the risks which are inherent in the use of some of the toys and which are self-evident (instability of scooters, sharp needles in a sewing kit, etc), and assuming that the toys are used in the manner intended, they should not present any further risk to children for whom they are intended. Allowance should also be made for normal or reasonably foreseeable use, bearing in mind the normal behaviour of children who do not generally share the same degree of care as the average adult user.

Accidents or incidents are frequently due to a toy either being given to a child for whom it is not intended or being used for a purpose other than that for which it was designed. Great care should be taken therefore when choosing a toy or game; account should be taken of the mental and physical development of the child who will be using it. The requirements of the standard do not release parents and educators from their responsibility of watching over the child while he or she is playing.

The requirements in the standard, which apply to new toys, take account of the fact that toys are subjected to a certain amount of wear and tear in use. Nevertheless, the person in charge should ensure that the child can safely be left with the toy.

This standard does not cover electrical safety aspects of toys.

Legal requirements exist in particular countries.

The principal changes included in this revised Part 1 are that:

- some requirements have been brought up to date
- requirements for expanding materials, toys made of flexible materials, teethingers, and aquatic toys have been included
- tests for expanding materials, accessibility, edges, points, seams, folding mechanisms, non-detachable components, rattles and teethingers have been included
- some requirements regarding marking and instructions have been included for toys to be assembled, skates and skateboards, aquatic toys, toy caps, toys intended to be strung across a cradle, cot or perambulator and for teething rings
- requirements for fuel using equipment have been deleted.

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