

## Safety of toys

### Part 1: Mechanical and physical properties

Sicherheit von Spielzeug — Teil 1: Mechanische und physikalische Eigenschaften

Sécurité des jouets — Partie 1: Propriétés mécaniques et physiques

#### Note:

Because of possible comments, the final version of this ÖNORM can differ from the present Draft.

Please send your comments (in writing) by **2010-07-31** to Austrian Standards Institute.

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Safety of toys and other articles related to child use

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## Explanations concerning Draft

The present Draft European Standard **EN 71-1** has been submitted to CEN members for voting. In case of a positive result of the voting as required by CEN/CENELEC regulations, this Draft will be published as EN.

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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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 52.

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## Foreword

This document (prEN 71-1:2010) has been prepared by Technical Committee CEN/TC 52 "Safety of toys", the secretariat of which is held by DS.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 71-1:2005+A9:2009.


This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

This European Standard constitutes the first part of the European Standard on safety of toys.

This European Standard for safety of toys consists of the following parts:

- ☐ Part 1: *Mechanical and physical properties*
- ☐ Part 2: *Flammability*
- ☐ Part 3: *Migration of certain elements*
- ☐ 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*
- ☐ Part 8: *Swings, slides and similar activity toys for indoor and outdoor family domestic use*
- ☐ Part 9: *Organic chemical compounds – Requirements*
- ☐ Part 10: *Organic chemical compounds – Sample preparation and extraction*
- ☐ Part 11: *Organic chemical compounds – Methods of analysis*

NOTE 1 In addition to the above parts of EN 71, the following guidance documents have been published: CEN Report, CR 14379:2002, *Classification of toys - Guidelines*, CEN Technical Report CEN/TR 15071:2005, *Safety of toys - National translations of warnings and instructions for use in EN 71* and CEN Technical Report CEN/TR 15371:2009, *Safety of toys – Replies to requests for interpretation of EN 71-1, EN 71-2, and EN 71-8* .

NOTE 2 Different legal requirements may exist in non-EU countries.

## Introduction

The European Standards aim at reducing as far as possible those risks which are not evident to users; they do not cover inherent dangers (e.g. instability of scooters, sharp needles in a sewing kit etc.) that are obvious to children or the persons in charge of them. Assuming that the toys are used in the manner for which they are intended, they should not present any further risk to children for whom they are intended. Allowance should also be made for foreseeable use, bearing in mind the behaviour of children who do not generally share the same degree of care as the average adult user.

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

Accidents 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 therefore be taken 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 this European Standard do not release parents or carers from their responsibility of watching over the child while he or she is playing.



## 1 Scope (see A.2)

This European Standard specifies requirements and methods of tests for mechanical and physical properties of toys.

This European Standard applies to toys for children, toys being any product or material designed or clearly intended, whether or not exclusively, for use in play by children of less than 14 years. It refers to new toys taking into account the period of foreseeable and normal use, and that the toys are used as intended or in a foreseeable way, bearing in mind the behaviour of children.

It includes specific requirements for toys intended for children under 36 months and for children who are too young to sit up unaided. According to Directive 2009/48/EC “intended for use by” means that a parent or supervisor shall reasonably be able to assume by virtue of the functions, dimensions and characteristics of a toy that it is intended for use by children of the stated age group. Therefore, for the purpose of this European Standard, e.g. *soft-filled* toys with simple features intended for holding and cuddling are considered as toys intended for children under 36 months. For further information on the classification of toys, the European Commission’s Guidance Documents can be consulted as well as CR 14379, *Classification of toys — Guidelines*.

This European Standard also specifies requirements for *packaging*, marking and labelling.

This European Standard does not cover musical instruments, sports equipment or similar items but does include their toy counterparts.

This European Standard does not apply to the following toys:

- playground equipment intended for public use;
- automatic playing machines, whether coin operated or not, intended for public use;
- toy vehicles equipped with combustion engines (see A.2);
- toy steam engines; and
- slings and catapults

Items that are propelled into free flight by a child releasing an elastic band (e.g. aeroplanes and rockets) are considered as catapults (see 5th indent above).

This European Standard does not cover electrical safety aspects of toys. These are covered by EN 62115, Electric toys - Safety.

Furthermore, it does not cover the following items which, for the purpose of this European Standard, are not considered as toys:

- ☐ decorative objects for festivities and celebrations ;
- ☐ products for collectors, provided that the product or its *packaging* bears a visible and legible indication that it is intended for collectors of 14 years of age and above. Examples of this category are:
  - (a) detailed and faithful scale models (see A.2);
  - (b) kits for the assembly of detailed scale models;
  - (c) folk dolls and decorative dolls and other similar articles;
  - (d) historical replicas of toys; and
  - (e) reproductions of real fire arms. ;
- ☐ ☐ sports equipment, including roller skates, inline skates, and skateboards intended for children with a body mass of more than 20 kg;
- ☐ bicycles with a maximum saddle height of more than 435 mm, measured as the vertical distance from the ground to the top of the seat surface, with the seat in a horizontal position and with the seat pillar set to the minimum insertion mark;
- ☐ scooters and other means of transport designed for sport or which are intended to be used for travel on public roads or public pathways;
- ☐ electrically driven vehicles which are intended to be used for travel on public roads, public pathways, or the pavement thereof;