

Geregistreeerde Belgische norm

NBN EN 71-1+A8

7e uitg., juni 2009

Normklasse: S 25

Veiligheid van speelgoed - Deel 1 : Mechanische en fysische eigenschappen

Sécurité des jouets - Partie 1 : Propriétés mécaniques et physiques

Safety of toys - Part 1: Mechanical and physical properties

Toelating tot publicatie: 15 juni 2009

Vervangt NBN EN 71-1+A6 (2008).

Deze Europese norm EN 71-1+A8:2009 heeft de status van een Belgische norm.

Deze Europese norm bestaat in drie officiële versies (Duits, Engels, Frans).



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***norme belge
enregistrée***

NBN EN 71-1+A8

7e éd., juin 2009

Indice de classement: S 25

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Autorisation de publication: 15 juin 2009

Remplace NBN EN 71-1+A6 (2008).

La présente norme européenne EN 71-1+A8:2009 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).



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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 European Standard was approved by CEN on 19 September 2005 and includes Amendment 1 approved by CEN on 10 January 2007, Amendment 3 approved by CEN on 7 September 2006, Amendment 4 approved by CEN on 13 March 2007, Amendment 5 approved by CEN on 18 April 2008, Amendment 6 approved by CEN on 5 February 2008, Amendment 7 approved by CEN on 30 April 2009, Amendment 8 approved by CEN on 1 March 2009 and the Corrigendum issued in 2006.

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Foreword

This European Standard (EN 71-1:2005+A8:2009) has been prepared by Technical Committee CEN/TC 52 “Safety of toys”, the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

This document includes Amendment 1, approved by CEN on 2007-01-10, Amendment 3 approved by CEN on 2006-09-07, Amendment 4 approved by CEN on 2007-03-13, Amendment 5 approved by CEN on 2008-04-18, Amendment 6 approved by CEN on 2008-02-05, Amendment 7 approved by CEN on 2009-04-30, Amendment 8 approved by CEN on 2009-03-01 and the Corrigendum issued on 2006-02-01.

This document supersedes ~~A8~~ EN 71-1:2005+A6:2008 ~~A8~~.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ~~A1~~ ~~A1~~, ~~A3~~ ~~A3~~, ~~A4~~ ~~A4~~, ~~A5~~ ~~A5~~, ~~A6~~ ~~A6~~, ~~A7~~ ~~A7~~ and ~~A8~~ ~~A8~~.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags ~~AC~~ ~~AC~~.

~~A4~~ *deleted text* ~~A4~~

This European Standard 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(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

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 6: *Graphical symbol for age warning labelling* ~~A8~~¹ ~~A8~~
- 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 15371:2006, *Safety of toys – Replies to requests for interpretation of EN 71-1, EN 71-2, and EN 71-8* ~~A4~~.

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

¹ ~~A8~~ At the time of publication of this European Standard, a proposal had been submitted to the BT to withdraw EN 71-6. ~~A8~~

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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 normal or 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.

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 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 normal 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. For the purpose of this European Standard, *soft-filled* toys with simple features intended for holding and cuddling are considered as toys intended for children under 36 months.

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 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:

- Christmas decorations (see A.2);
- detailed scale models for adult collectors (see A.2);
- equipment intended to be used collectively in playgrounds;
- sports equipment;
- aquatic equipment intended to be used in deep water;
- folk dolls and decorative dolls and other similar articles for adult collectors;
- "professional" toys installed in public places (shopping centres, stations etc.) (see A.2);
- puzzles with more than 500 pieces or without picture, intended for specialists;
- air guns and air pistols (see A.2);
- fireworks, including percussion caps except percussion caps specifically designed for toys;
- slings and catapults (see A.2);
- sets of darts with metallic points;
- electric ovens, irons or other functional products operated at a nominal voltage exceeding 24 V;
- products containing heating elements intended for use under the supervision of an adult in a teaching context;
- vehicles with combustion engines (see A.2);
- toy steam engines;
- bicycles designed for sport or for travel on the public highway;
- video toys that can be connected to a video screen, operated at a nominal voltage exceeding 24V;
- babies' dummies (soothers);
- faithful reproductions of real fire arms;
- fashion jewellery for children (see A.2).

Also, for the purpose of this European Standard, the following items are not considered as toys:

- flotation aids such as arm bands and swim seats (see A.23);
- swimming goggles, sunglasses and other eye protectors as well as bicycle and skateboard helmets (see A.19);
- items that are propelled into free flight by a child releasing an elastic band (e.g. aeroplanes and rockets). These are considered as catapults (see 11th indent above);
- bows for archery with an overall relaxed length exceeding 120 cm.