

MÄNGUASJADE OHUTUS. OSA 2: SÜTTIVUS

Safety of toys - Part 2: Flammability

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 71-2:2020+A1:2025 sisaldab Euroopa standardi EN 71-2:2020+A1:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 11.06.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 71-2:2020+A1:2025 consists of the English text of the European standard EN 71-2:2020+A1:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 11.06.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 13.220.40, 97.200.50

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EUROPEAN STANDARD

EN 71-2:2020+A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2025

ICS 13.220.40; 97.200.50

Supersedes EN 71-2:2020

English Version

Safety of toys - Part 2: Flammability

Sécurité des jouets - Partie 2: Inflammabilité

Sicherheit von Spielzeug - Teil 2: Entflammbarkeit

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 6 August 2025.

This European Standard was approved by CEN on 28 September 2020 and includes Amendment 1 approved by CEN on 7 April 2025.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations 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-CENELEC Management Centre or to any CEN member.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 71-2:2020+A1:2025) 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 December 2025, and conflicting national standards shall be withdrawn at the latest by June 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 7 April 2025.

This document supersedes A1 EN 71-2:2020 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

Additional information on the background and rationale for various requirements are given in Annex A.

A1 *deleted text* A1

A1 This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document. A1

This document constitutes the second part of the EN 71 series of standards on safety of toys.

EN 71, *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: Activity toys for domestic use*
- A1 *deleted text* A1
- *Part 10: Organic chemical compounds — Sample preparation and extraction*
- *Part 11: Organic chemical compounds — Methods of analysis*
- *Part 12: N-Nitrosamines and N-nitrosatable substances*

- *Part 13: Olfactory board games, cosmetic kits and gustative games*
- *Part 14: Trampolines for domestic use*
- **A1** *Part 15: Formamide in foam toy materials (content)*
- *Part 16: Certain chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP) in toy materials*
- *Part 17: Certain isothiazolinones (MIT, CIT, BIT) in aqueous toy materials*
- *Part 18: Phenol in aqueous (content) and polymeric (migration) toy materials*
- *Part 19: Migration of bisphenol A from toy materials*
- *Part 20: Safety of toys* — *Part 20: Microbiological safety of toys containing accessible aqueous media* **A1**

NOTE 1 In addition to the above parts of EN 71, the following **A1** deliverables **A1** have been published:

- CEN/TR 15071, *Safety of toys — National translations of warnings and instructions for use in the EN 71 series*
- CEN/TR 15371 (all parts), *Safety of toys — Interpretations*
- CEN/TR 16918, *Safety of toys — Children's mouthing behaviour in contact with toys*
- CEN ISO/TR 8124-8, **A1** *Safety of toys — Part 8: Age determination — First age grade for the appropriate play of toys (ISO/TR 8124-8)* **A1**
- **A1** CEN/TS 17973, *Safety of toys — Categorization of slime type materials*
- CEN/TR 17695, *Safety of toys — Mechanical and physical properties — Guidance on categorisation of projectile toys within EN 71-1* **A1**

NOTE 2 Words in italics are defined in Clause 3 (Terms and definitions).

A1 The following significant changes have been implemented in this consolidated version:

Clause/paragraph/table/figure	Change
3.3, 3.10 and 3.15	Inclusion of definitions for <i>cosmetic kit</i> , <i>gustative game</i> and <i>olfactory board game</i> to support clarification at 4.1
4.1	Clarification regarding <i>highly flammable and flammable liquids</i> in <i>chemical toy(s)</i> and alignment with EN 71-5:2015 and EN 71-13:2021+A1:2022
5.3	Clarification on how to test masks to ensure test flame is not affected by openings.
5.3 and 5.4	Correction of error in referencing A.7 and A.8
5.4.1.1 c)	Increase in the range of allowable water hardness
5.4.1.2.1	Improvements to Figure 1 and associated text for clarity
A.2	Additional information regarding washing of <i>toy disguise costumes</i>

Clause/paragraph/table/figure	Change
A.3	Correction of the text in example 15
A.7	Additional information to explain change in permitted water hardness
Annex B	Original Annex B deleted and new Annex B added
NOTE The technical changes referred to include the significant technical changes from the EN revised, but is not an exhaustive list of all modifications from the previous version.	

In addition, the following clauses were edited to align with ISO 8124-2:2023 without technical change:

3.15	4.3	5.4.1.2.1 c)	5.4.2	Table A.1, row 8	A.7
3.16	4.5	5.4.1.2.5	5.4.6	A.4	A.8
4.22	5.4.1.1	5.4.1.2.7	A.2	A.5	



Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Introduction

This document aims at reducing, as far as possible, those hazards which are not evident to users; it does not cover inherent hazards that are obvious to children or the persons in charge of them. Assuming that the toys are used in the intended manner, they should not present any further hazard to children for whom they are intended (according to the 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). 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; account should be taken of the mental and physical development of the child who will be using it.

The requirements of this document do not release parents or carers from their responsibility of supervising the child while he or she is playing.

1 Scope

This document specifies the categories of flammable materials which are prohibited in all toys, and requirements concerning *flammability* of certain toys when they are subjected to a small 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 are not considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

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

- toys to be worn on the head: beards, moustaches, wigs, etc. made from pile or *flowing elements*; masks; hoods, headdresses, etc.; However, paper and paperboard hats without embellishments or attachments are excluded;
- toy *disguise costumes* and toys intended to be worn by a child in play;
- *toys intended to be entered by a child* and constructed from textiles and/or polymer sheets and films;
- *soft-filled toys*.

NOTE Additional requirements for *flammability* of electric toys are specified in ^{A1} EN IEC 62115 [2] ^{A1}.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 2431:2019, *Paints and varnishes - Determination of flow time by use of flow cups (ISO 2431:2019)*

EN ISO 6941:2003, *Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (ISO 6941:2003)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia. available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp/>

3.1

chemical toy

toy intended for the direct handling of chemical substances and mixtures and which is used in a manner appropriate to a given age-group and under the supervision of an adult

^{A1} Note 1 to entry: An experimental set for chemistry and related activities is an example of a chemical toy. ^{A1}

[SOURCE: ^{A1} EN 71-4:2020 [3], 3.1, modified – Added Note 1 to entry. ^{A1}]