

STN	Bezpečnosť hračiek Časť 15: Formamid v penových materiáloch hračiek	STN EN 71-15 94 3094
------------	--	--

Safety of toys – Part 15: Formamide in foam toy materials (content)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/25

Obsahuje: EN 71-15:2025

140429

EUROPEAN STANDARD

EN 71-15

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2025

ICS 97.190

English Version

Safety of toys - Part 15: Formamide in foam toy materials (content)

Sécurité des jouets - Partie 15 : Formamide dans les
matériaux-jouets en mousse (teneur)Sicherheit von Spielzeug - Teil 15: Formamid in
Spielzeugmaterial aus Schaumstoff (Gehalt)

This European Standard was approved by CEN on 25 February 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.

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 the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

EN 71-15:2025 (E)

Contents		Page
European foreword		3
Introduction		5
1	Scope.....	6
2	Normative references.....	6
3	Terms and definitions.....	6
4	Requirements.....	6
5	Principle.....	6
6	Reagents, standards and apparatus.....	7
6.1	Reagents.....	7
6.2	Standards.....	7
6.3	Apparatus	8
7	Sample preparation	8
8	Method of analysis.....	9
8.1	General.....	9
8.2	Chromatographic conditions.....	9
8.3	Mass spectrometer settings	9
9	Method performance	10
9.1	Limit of quantification	10
9.2	Precision	10
10	Calculation of the result.....	10
11	Test report.....	11
Annex A (informative) Background and rationale.....		12
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2009/48/EC aimed to be covered		13
Bibliography		14

European foreword

This document (EN 71-15:2025) 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 August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

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

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

This document constitutes the 15th 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*
- *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*
- *Part 15: Formamide in foam toy materials (content) (the present document)*
- *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*

EN 71-15:2025 (E)

- *Part 19: Migration of bisphenol A from toy materials*
- *Part 20: Microbiological safety of toys containing accessible aqueous media* (under development)

It is up to the user of the standard to determine whether or not a toy is included in the scope of several of the above parts of the EN 71-series, and to apply each applicable standard accordingly. Normative references from one part of the EN 71-series to another, are therefore normally not provided in the individual parts.

NOTE 1 In addition to the above parts of EN 71, the following deliverables 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/TR 17695, *Safety of toys - Mechanical and physical properties — Guidance on categorization of projectile toys within EN 71-1*,
- CEN/TS 17973, *Safety of toys - Categorization of slime type materials*, and
- CEN ISO/TR 8124-8, *Safety of toys — Part 8: Age determination - First age grade for the appropriate play of toys*.

NOTE 2 Words in *italics* (apart from document titles) are defined in Clause 3 (Terms and definitions).

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 organisations 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

According to article 46 of Directive 2009/48/EC on the safety of toys [1] the “Commission may adopt specific limit values for chemicals used in toys intended for use by children under 36 months or in other toys intended to be placed in the mouth”.

In November 2015 the European Commission amended Appendix C to Annex II to this Directive accordingly and adopted a specific limit value for formamide in toys (see Commission Directive (EU) 2015/2115 [2]):

“20 µg/m³ (emission limit) after a maximum of 28 days from commencement of the emission testing of foam toy materials containing more than 200 mg/kg (cut-off limit based on content)”.

For more information about the legal limit value see A.2.

This document provides a test method to determine if the total content of formamide in *foam toy materials* is below the 200 mg/kg cut-off limit.

WARNING — The application of the test method specified in this document can involve hazardous materials, operations and equipment. The document does not purport to address all of the safety or environmental problems associated with its use.

EN 71-15:2025 (E)**1 Scope**

This document specifies requirements for formamide in *foam toy materials* and a test method for determining the content of formamide in *foam toy materials*. This document is applicable to toys intended for use by children under 36 month or other toys intended to be placed in the mouth.

NOTE 1 The document provides a test method to determine if the total content of formamide in *foam toy materials* is below the 200 mg/kg cut-off limit. *Foam toy materials* exceeding this limit are subject to the emission limit specified in Appendix C to Annex II to Directive 2009/48/EC.

NOTE 2 The European Commission Guidance Document No 11 on the Application of Directive 2009/48/EC on the Safety of Toys [3] provides guidelines to help on the classification of toys intended for children under 36 months of age or of 36 months and over.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN