

MÄNGUASJADE OHUTUS. OSA 5: KEEMILISED
MÄNGUASJAD (KOMPLEKTID), VÄLJA ARVATUD
KATSEKOMPLEKTID

Safety of toys - Part 5: Chemical toys (sets) other than
experimental sets

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|--|---|
| <p>See Eesti standard EVS-EN 71-5:2025 sisaldab Euroopa standardi EN 71-5:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 10.12.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p> | <p>This Estonian standard EVS-EN 71-5:2025 consists of the English text of the European standard EN 71-5:2025.</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 10.12.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p> |
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EUROPEAN STANDARD

EN 71-5

NORME EUROPÉENNE

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English Version

Safety of toys - Part 5: Chemical toys (sets) other than experimental sets

Sécurité des jouets - Partie 5 : Jouets chimiques
(coffrets) autres que les coffrets d'expériences

Sicherheit von Spielzeug - Teil 5: Chemisches Spielzeug
(Sets) ausgenommen Experimentierkästen

This European Standard was approved by CEN on 17 November 2025.

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

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European foreword

This document (EN 71-5:2025) 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of an identical text or by endorsement, at the latest by June 2026 and conflicting national standards shall be withdrawn at the latest by December 2026.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 supersedes EN 71-5:2015.

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.

Additional information on the background and rationale for various requirements of this document is given in Annex D.

This document constitutes the fifth 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 (this document);*
- *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);*

- *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: Microbiological safety of toys containing accessible aqueous media.*

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,*
- CEN/TR 18217, *Safety of toys — Migration of certain elements from polymers,*
- CEN/TR 18240: *Safety of toys — Mechanical and physical properties — Guidance on the requirements for food-imitating toys in EN 71-1, 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).

The following significant changes have been implemented in this new edition:

| Clause/Paragraph/ Table/Figure | Change |
|-----------------------------------|--|
| 3 | New terms " <i>slime kit</i> ", " <i>preservative</i> " and " <i>booster substance</i> " have been added. |
| 8 | A new clause with requirements for <i>slime kits</i> was added. |
| 10.3 | The advice for adult supervision has been slightly revised and e.g. also includes specific requirements on advice for adult supervision for certain <i>slime kits</i> . |
| 10.4 | The safety rules have been slightly revised. |
| Annex D | A new rationale (D.6) including guidance on giving adequate advice for adult supervision has been added. The rationale on primary packaging (D.2) has been slightly revised. |

| Clause/Paragraph/ Table/Figure | Change |
|-----------------------------------|--|
| Annex E | A new annex with a non-exhaustive list of colourants which need to be in compliance with both the general and specific purity requirements has been added. |
| Annex F | A new annex on <i>booster substances</i> has been added. References to this annex have been added in the subclauses of those chemical toys for which <i>preservatives</i> and consequently <i>booster substances</i> are of relevance. |

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 is intended to reduce the risks which can present health hazards to a child when the *chemical toys* are used as intended or in a foreseeable way, bearing in mind the behaviour of children.

When using these *chemical toys*, potential risks should be kept to a minimum by inclusion of appropriate information to give special attention to possible hazards, risks and other problems.

Chemical Abstract Service Registry Number (CAS) and European Inventory of Existing Chemical Substances Number (EINECS) given in various tables are provided for information purposes only.

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1 Scope

This document specifies requirements and test methods for toy materials (substances and mixtures) used in *chemical toys* (sets) other than *experimental sets*. These substances and mixtures are:

- those classified as dangerous by the EU legislation applying to dangerous substances and dangerous mixtures [5];
- substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as dangerous by the above-mentioned legislation; and
- any other chemical substance(s) and mixture(s) delivered with the *chemical toy*.

NOTE The terms “substance” and “mixture” are defined in the REACH regulation No. (EC)1907/2006 and in the CLP regulation (EC) No. 1272/2008.

Additionally, requirements are specified for markings, warnings, safety rules, contents list, instructions for use and first aid information.

This document applies to:

- *plaster of Paris (gypsum) moulding sets*;
- *oven-hardening plasticised PVC modelling clay sets*;
- *polystyrene granules sets*;
- *embedding sets*;
- *adhesives, paints, lacquers, varnishes, thinners and cleaning agents (solvents), supplied or recommended in model sets*;
- *slime kits*.

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 3104:2023, *Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity (ISO 3104:2023)*

EN ISO 3219-2:2021, *Rheology — Part 2: General principles of rotational and oscillatory rheometry (ISO 3219-2:2021)*

EN ISO 3696:1995, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

EN ISO 22854:2025, *Liquid petroleum products — Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel — Multidimensional gas chromatography method (ISO 22854:2025)*