

DIN EN 71-5



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Supersedes
DIN EN 71-5:2013-08

**Safety of toys –
Part 5: Chemical toys (sets) other than experimental sets;
English version EN 71-5:2015,
English translation of DIN EN 71-5:2015-12**

Sicherheit von Spielzeug –
Teil 5: Chemisches Spielzeug (Sets) ausgenommen Experimentierkästen;
Englische Fassung EN 71-5:2015,
Englische Übersetzung von DIN EN 71-5:2015-12

Sécurité des jouets –
Partie 5: Jeux chimiques (coffrets) autres que les coffrets d'expériences;
Version anglaise EN 71-5:2015,
Traduction anglaise de DIN EN 71-5:2015-12

Document comprises 82 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This standard includes safety requirements.

This document (EN 71-5:2015) has been prepared by Technical Committee CEN/TC 52 “Safety of toys” (Secretariat: DS, Denmark).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sicherheits-technische Grundsätze* (DIN Standards Committee Safety Design Principles), Working Committee NA 095-05-01-02 AK *Sicherheit von Spielzeug – Chemische Eigenschaften*.

Amendments

This standard differs from DIN EN 71-5:2013-08 as follows:

- a) the term “ceramic and vitreous enamelling materials supplied in miniature workshop set” (previously Subclause 3.4) has been deleted and the terms following have been renumbered;
- b) the requirements for “ceramic and vitreous enamelling materials supplied in miniature workshop set” (previously Clause 5) have been deleted;
- c) the chemical substance “phthalic acid esters with straight-chain aliphatic (C6 upwards except C8) alcohols and mixtures of these esters” in Table 1 (previously Table 2) has been deleted;
- d) the chemical substance “polyvinylpyrrolidone homo and copolymers” has been added in Table 4 (previously Table 5);
- e) the chemical substances “acrylic homo and copolymers”, “hydrophilic polyurethane containing neither free isocyanate-groups nor aromatic amino-compounds”, “polymers and copolymers of monomers permitted for materials intended to come into contact with foodstuffs”, “polyvinyl homo and copolymers”, “poly (vinyl alcohol)”, “dextrin”, and “starch or modified starch” have been added in Table 7 (previously Table 8);
- f) the chemical substances “petroleum fraction (60 °C to 140 °C)” and “petroleum fraction (135 °C to 210 °C)” in Tables 11 and 15 (previously Tables 12 and 16) have been replaced by “petroleum fraction (35 °C to 160 °C)” and “hydrocarbons, C9 - C16, hydrotreated, dearomatized”;
- g) the test methods for determination of elements in ceramic and vitreous enamelling materials (previously Subclause 11.2) and for phthalic acid esters have been deleted;
- h) Annex C, “Maximum permitted element concentrations for the compounds permitted in ceramic and vitreous enamelling materials” has been deleted;
- i) in Annex D, (previously Annex E) the information on phthalates (previously E.4) has been deleted;
- j) the Directives 67/548/EEC, 1999/45/EC and 76/768/EEC have been deleted from the Bibliography and the Regulation (EC) No 1223/2009 has been included.

Previous editions

DIN EN 71-5: 1993-07, 2013-08

DIN EN 71-5/A1: 2006-03

DIN EN 71-5/A2: 2009-10

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 10 August 2015.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 71-5:2015) 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 March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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

This document supersedes EN 71-5:2013.

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(s).

For relationship with EU Directive 2009/48/EC, see informative Annex ZA, which is an integral part of this document.

The significant changes from the previous edition of this standard are detailed in Annex E.

This standard is Part 5 of the European Standard for safety of toys, EN 71.

This Part 5 of the EN 71 series is intended to be read in conjunction with EN 71, Part 1, Part 2 and Part 3, particularly the Introduction and Clause 1 of Part 1.

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 9: Organic chemical compounds — Requirements;*
- *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, gustative board games, cosmetic kits and gustative kits;*

— *Part 14: Trampolines for domestic use.*

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

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

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This European Standard is intended to reduce the risks which may 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.