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**SAFETY OF TOYS - PART 9: ORGANIC
CHEMICAL COMPOUNDS - REQUIREMENTS**

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EUROPEAN STANDARD

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Safety of toys - Part 9: Organic chemical compounds - Requirements

Sécurité des jouets - Partie 9: Composés organiques
chimiques - Exigences

Sicherheit von Spielzeug - Teil 9: Organisch-chemische
Verbindungen - Anforderungen

This European Standard was approved by CEN on 15 November 2004 and includes Amendment 1 approved by CEN on 26 May 2007.

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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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 71-9:2005+A1:2007) has been prepared by Technical Committee CEN/TC 52 "Safety of toys", the secretariat of which is held by DS.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2008 and conflicting national standards shall be withdrawn at the latest by January 2008.

This document includes Amendment 1 approved by CEN on 2007-05-26.

This document supersedes EN 71-9:2005.

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

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(s), see informative Annex ZA, which is an integral part of this document.

This standard constitutes part 9 of the European Standard on Safety of Toys.

This part should be read in conjunction with parts 10 and 11.

This A1 standard A1 defines contact routes and specifies limits for the migration or content of certain chemical compounds in toys.

This A1 standard A1 contains three annexes:

- Annex A (informative) Rationale
- Annex B (informative) Conformity assessment
- Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives.

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.

EN 71-9:2005+A1:2007 (E)**Introduction**

The **EN** standard **EN 71** 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 symbols for age warning labelling*
- 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*

The **EN** standards **EN 71-9**, **EN 71-10** and **EN 71-11** were mandated by the European Commission (M/229) to address the risks presented by organic compounds in toys by taking into account the potential exposure and toxicological effects of those substances considered to present the greatest risk to health.

This **EN** standard gives requirements for organic compounds in certain toys and toy materials. In drafting the **EN** standard, CEN/TC 52 considered the risks associated with more than 650 organic compounds. It was recognized that not all potentially hazardous organic compounds could be addressed. The Commission further restricted the Mandate to substances classified as dangerous under Council Directive 67/548/EEC. This **EN** standard, therefore, supports but does not reduce the responsibility of toy manufacturers, importers and suppliers for ensuring that the use of other substances will not endanger the health whilst playing with toys as intended or in a reasonably foreseeable way. In addition, there should be no exposure to children from toys, in amounts which may harm their health, of organic chemical substances which are classified by other relevant statutes as carcinogenic, mutagenic or toxic for reproduction and for which no requirements are specified in this **EN** standard.

Future editions of this standard may address additional organic compounds. Users of this standard are reminded that compliance with the standard can only provide presumption of conformity with the essential safety requirements of the Toys Safety Directive in respect of the substances addressed.

This part should be read in conjunction with **EN 71-10**, which describes sample preparation and extraction procedures, and **EN 71-11**, which specifies methods of analysis.

At the date of publication, the standard does not specify requirements for chemical compounds which are prohibited in toys by Council Directive 76/769/EEC of 27th July 1976, as amended, on restrictions on the marketing and use of certain dangerous substances and preparations.

This **EN** standard takes into account the opinion of the Toxicology Section of the Scientific Advisory Committee published in 1992 (EUR 13976) which recommended that certain groups of chemical compounds used in toys and toy materials need to be given special attention. In drafting this **EN** standard CEN/TC 52 has considered organic chemicals that can be classified within the following groups:

- Solvents
- Preservatives
- Plasticisers (excluding phthalate plasticisers)¹
- Flame retardants
- Monomers
- Biocides (wood preservatives)

¹ Phthalate plasticisers were specifically excluded from the scope of mandate M/229.

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