SAFEGUARDS
SGS CONSUMER TESTING SERVICES

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# EN 71-1 2005 +A9 PUBLISHED BY CEN

The current harmonized standard EN71-1:2005+A8:2009 Safety of Toys – Part 1: Mechanical and Physical properties, is still published by the EU Commission in the latest EU Official Journal. Now European standardization has published a new amendment A9 CEN EN71-1:2009+A9:2009 (incorporating corrigenda) on August 31, 2009. This amendment has not been published in the EU Official Journal yet.

The process of adopting and changing of standards is a complicated process. The EN 71 standards are made by CEN (the European standardization organization).

Within CEN representatives of industry, national authorities, laboratories and consumer organizations discuss and agree on changes of the standards. Once a change to a standard is agreed on the standard is published by CEN. A standard published by CEN is not yet a harmonized standard. The standard becomes a harmonized standard after publication in the Official Journal of the European Commission (OJEC). Only after publication in the OJEC a standard is accepted as a way to show that essential requirements of the toy directive are met. So standards need to be published two times before getting a legal status:

1. CEN (European standardisation organisation) publication,
2. Official Journal of the European Commission (OJEC) publication as Harmonized standard.

In amendment A9 there are several smaller changes to the current EN71-1:2005+A8:2009.

Some examples of changes are:

- Clause 4.5 Glass,
- Clause 5.1 General requirements and
- Clause 5.12 Hemispheric-shaped toys intended for children under 36 months. A detailed comparison between EN71-1:2005+A9:2009 and Current Harmonized EN71-1:2005+A8:2009 is listed on following page.

**COMPARISON LIST**

| | EN71-1:2005+A9:2009 | EN71-1:2005+A8:2009 |
|---|---|---|
| Terms and Definitions | 3.15 Filling - material intended to be wholly contained within a soft-filled toy or within soft-filled parts of a toy | 3.15 filling - material intended to be wholly contained within a soft-filled toy. |
| Clause 4 General Requirements | Clause 4.5 Glass<br>Adding sub-clause d) as follows<br>d) It is in the form of other glass elements (e.g. glass beads) that after being subjected to 8.5 (drop test) and 8.7 (impact test) do not expose accessible hazardous sharp edges (see 8.11, sharpness of edges) or hazardous sharp points (see 8.12, sharpness of points). | Clause 4.5 Glass<br>No sub-clause d (read more) |
| Clause 5 Toys intended for children under 36 months | Clause 5.1 General Requirement<br>Adding following for Clarification<br>Tightly packed stuffed components made of fabric and/or yarn *are not excluded from* the general requirements of 5.1 (Refer to Subsection Reason-ale of A.26) | N/A |
| | Clause 5.12 Hemispheric-shaped Toys<br>These requirements apply to cup-shaped, bowl-shaped or one half of an egg-shaped toys having a nearly round, oval or elliptical opening *with the minor and major inner dimensions* between 64 mm and 102 mm, a volume of less than 177 ml and a depth greater than 13 mm. | Clause 5.12 Hemispheric-shaped Toys<br>These requirements apply to cup-shaped, bowl-shaped or one half of an egg-shaped toys having a nearly round, oval or elliptical opening with the minor and major outer dimensions between 64 mm and 102 mm, a volume of less than 177 ml and a depth greater than 13 mm. |
| Clause 8 Test Methods | Clause 8.5 Drop Test<br>Drop the toy, *or the relevant toy component*, five times through a height of (850 ± 50) mm on to a 4 mm thick steel plate with a 2 mm thick coating of Shore A hardness (75 ± 5) as measured according to EN ISO 868 or ISO 7619-2 and which is placed on a non-flexible horizontal surface. | Clause 8.5 Drop Test<br>Drop the toy five times through a height of (850 ± 50) mm on to a 4 mm thick steel plate with a 2 mm thick coating of Shore A hardness (75 ± 5) as measured according to EN ISO 868 or ISO 7619-2 and which is placed on a non-flexible horizontal surface. |

(To be continued)



(Continued)

| | EN71-1:2005+A9:2009 | EN71-1:2005+A8:2009 |
|---|---|---|
| Clause 8 Test Methods | Clause 8.7 Impact Test<br>Place the toy, *or the relevant toy component*, in its most onerous position on a plane horizontal steel surface and drop a metallic weight with a mass of (1 ± 0,02) kg, distributed over an area with a diameter of (80 ± 2) mm, through a distance of (100 ± 2) mm on to the toy. | Clause 8.7 Impact Test<br>Place the toy in its most onerous position on a plane horizontal steel surface and drop a metallic weight with a mass of (1 ± 0,02) kg, distributed over an area with a diameter of (80 ± 2) mm, through a distance of (100 ± 2) mm on to the toy. |
| Rationale | A.26 General requirements for toys intended for children under 36 months<br>Adding the following to the A.26.<br>Certain materials, e.g. fabric and yarn, are as a general rule excluded from the requirements in 5.1. However, a tightly packed stuffed component made of these materials cannot be generally excluded from the requirements since it may *present the same hazard as a small hard part made of non-excluded materials*. A stuffed component should be considered as tightly packed only if it cannot be readily compressed by hand (between forefinger and thumb). Such a component should, however, not be considered hazardous if it does not remain tightly packed also after having been subjected to the relevant tests. This can be the case, for example, when the fabric of a tightly packed stuffed component splays out to reveal the stuffing material when the component becomes detached. | N/A |

**CURRENT HARMONIZED STANDARDS LIST FOR TOYS DIRECTIVE 88/378/EEC**

| Reference and title of the harmonized standard (and reference document) | First publication OJ |
|---|---|
| EN 71-1:2005+A8:2009 Safety of toys - Part 1: Mechanical and physical properties | 30.4.2009 |
| EN 71-2:2006+A1:2007 Safety of toys - Part 2: Flammability | 16.9.2008 |
| EN 71-3:1994/AC:2000 Safety of toys - Part 3: Migration of certain elements | 12.10.1995 |
| EN 71-4:1990/A3:2007 Safety of toys - Part 4: Experimental sets for chemistry and related activities | 4.10.2007 |
| EN 71-5:1993/A1:2006 Safety of toys - Part 5: Chemical toys (sets) other than experimental sets | 31.5.2006 |
| EN 71-7:2002 Safety of toys — Part 7: Finger paints — Requirements and test methods | 15.3.2003 |
| EN 71-8:2003/A1:2006 Safety of toys - Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use | 26.10.2006 |
| EN 62115:2005 Electric toys - Safety IEC 62115:2003 (Modified) + A1:2004 | 8.3.2006 |

SGS will follow up and inform interested parties as development on international legislations occurs.

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