



**Co-ordination of the Notified Bodies
NB-TOYS
under the Safety of Toys Directive**

NB-TOYS/2017/098

**Succeeds NB-TOYS
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EC type approval protocol No. 4 Domestic washing and drying procedures for textiles toys intended for children under 36 months (Rev2)

Agreed by:

NB-Toys group on: 17 November 2017

Expert group on Toy Safety on: 19 december 2017

Will be available at http://ec.europa.eu/growth/sectors/toys/safety/guidance_en

Changes made in Revision 2

Below the changes made in the 2nd revision of the protocol are indicated for the relevant parts:

- Background: A further explanation is added on the use and the intentions of the protocol.
- 5. Agreed protocol: In the columns of the table changes have been made.
 - On p. 3.
 - Washing machine – specific approach. To the specific approach is added: “. or similar programmes depending on the type of machine”.
 - Washing program – specific approach. To the specific approach is added “or similar programmes depending on the type of machine
 - On p.4
 - Drying machine: EN ISO reference changed to “par 5.2 and Annex G”
 - Drying programme- specific approach: In the specific approach is deleted the instruction on the drying temperature deleted.

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1. Background

The toy Safety Directive 2009/48/EC indicates in its Annex II chapter V.2 Hygiene: "A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy shall, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy shall fulfil the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions."

For the purpose of the above underlined requirement, EU NB Toys Committee has decided to set up an agreed procedure to be used in the framework of their activity. The following reflects the outcome of our discussions. The protocol is to be used as a guideline in defining how to handle the washing. It is to be noted that the protocol is not intended as strict instructions as the objective of the washing is to mimic what can happen in a domestic situation. The relevant requirements of standard EN ISO 6330 have been used as basis but have been modified according to the needs of this protocol.

2. Scope of this protocol

This protocol can be used in case an EC Type examination is conducted on a textile toy intended for children under 36 months which does not contain a mechanism that may be damaged if soak washed, soak washing (hand or machine) and drying procedures have to be defined.

3. Definition

3.1 Textile toys

Textile toys are toys entirely made of textile with the exception for materials inside the toy and minor features or decorations sewed/adhered to the outside (e.g. eyes and nose) (See: *Toy Safety Directive 2009/48/EC An explanatory guidance document*)

4. Supporting standard used

EN ISO 6330:2012: "Textiles – Domestic washing and drying procedures for textile testing"
This standard is widely used in the framework of textiles assessment and was found to be an appropriate supporting document to use.

5. Agreed protocol

It is agreed that 3 consecutive cycles (soak washing + drying being regarded as one cycle) are to be applied to the toys.

Soak Washing Protocol	EN ISO 6330:2012	Specific approach
Reagents		
Detergent	Clause 6.1.3 (reference detergent N°3)	Weight of detergent: 20 grams \pm 1 g
Water	Clause 6.2	
Apparatus		
Washing machine	Standard washing machine type A – EN ISO 6330:2012	Domestic consumer model, front loading, horizontal drum type – Capacity 5-9 kg – able to spin dry at a speed between 1100 and 1400 revolutions per minute. The washing machine shall have the following programs:-'Normal', 'Mild' and 'Gentle' agitation levels. or similar programmes depending on the type of machine.
Ballast		
Ballast type	Clause 5.6	
Ballast weight		<p><u>For Machine washing:</u> To be adjusted so that the total load (dry mass toy(s) + ballast) is 2. \pm 0.1 kg. The minimum ballast load shall be 1 kg. It is allowed to soak wash different toys at the same time provided the washing instructions are the same.</p> <p><u>For hand washing:</u> To be adjusted so that the total load (dry mass toy(s) + ballast) is 1 \pm 0.1kg. The minimum ballast load shall be 0.5 kg. It is allowed to soak wash different toys at the same time provided the washing instructions are the same.</p>
Washing procedure		
Washing program		Wash according to the instructions given by the manufacturer using 'Normal', 'Mild' and 'Gentle' agitation levels or similar programmes depending on the type of machine. The spin dry speed shall be adjusted at the highest value allowed by the program.

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Machine drying Protocol	EN ISO 6330:2012	Specific approach
Apparatus		
Drying machine	other equipment specified according to EN ISO 6330 par.5.2 and Annex G	Domestic consumer tumble dry model, front loading, horizontal drum type – Capacity 5-9 kg - alternated rotation. The drying machine shall have the following programs: cotton, synthetic and shall have the ability to self-determine and adjust the drying time or have a timer switch
Ballast		
Ballast type	Clause 5.6	
Ballast weight		Toy(s) and ballast, the total weight of which is dependant on the washing mode (see above soak washing protocol), shall be placed into the drying machine.
Drying procedure		
Drying program		Dry according to the instructions given by the manufacturer..

Line drying Protocol	EN ISO 6330:2012	Specific approach
Apparatus		
Line dry		A line drying cabinet can be used
Drying procedure		
Drying mode		If machine tumble dry is not allowed according to the instructions given by the manufacturer, suspend the toy(s) a line and allow to dry in ambient conditions