

# **Announcement for Amendment to Legal Inspection of Toy Commodities**

**By the Bureau of Standards, Metrology and Inspection (BSMI), Ministry of Economic Affairs**

## **Background:**

In recent years, there have been lots of incidents with injury reported worldwide caused by bad design or manufacture of toys. In order to ensure the safety and quality of toys, many countries have conducted mandatory inspection for these products. The Bureau of Standards, Metrology and Inspection (BSMI) is very concerned about the safety of toys and has conducted mandatory inspection for these products since 1 January 1988. All toys, whether domestically produced or imported from abroad, must be in compliance with the inspection requirements before they are released from the production premises or the Customs. The main measure of CNS 4797 which is revised on 4 December 2012, increases the requirements with limitation of Formamide less than 2 ppm, total amount of DMP, DEP, DEHP, DBP, BBP, DINP, DIDP, and DNOP in Phthalates, less than 0.1%, and for toys, containing a liquid substance, the biological safety requirement with bacterial counts less than 3,000 CFU/g and without detected any Escherichia coli, Pseudomonas aeruginosa, Salmonella, and Staphylococcus aureus.

**Date of implementation:** 1 March 2014

## **Products (HS/CCCN codes) covered:**

HS/CCCN 3407.00.10.00-1  
HS/CCCN 3824.90.99.90-2  
HS/CCCN 3918.90.10.00-4  
HS/CCCN 3919.90.90.00-6  
HS/CCCN 3923.10.00.00-6  
HS/CCCN 3923.50.00.90-8  
HS/CCCN 3924.90.00.90-9  
HS/CCCN 3926.40.00.00-7  
HS/CCCN 3926.90.90.90-8  
HS/CCCN 4202.22.00.20-8  
HS/CCCN 4821.10.00.00-7  
HS/CCCN 4823.90.00.31-1  
HS/CCCN 4903.00.10.00-8  
HS/CCCN 4908.90.00.00-6  
HS/CCCN 4911.91.00.10-8  
HS/CCCN 4911.99.00.00-2  
HS/CCCN 6114.30.00.00-5  
HS/CCCN 6114.90.90.00-3  
HS/CCCN 6211.43.00.90-3  
HS/CCCN 6306.22.00.00-3  
HS/CCCN 6306.29.10.00-4  
HS/CCCN 6306.29.90.00-7  
HS/CCCN 6307.90.90.90-1-D  
HS/CCCN 6506.99.90.10-8  
HS/CCCN 7326.90.90.90-6-B  
HS/CCCN 8306.10.00.00-3  
HS/CCCN 8306.29.00.00-2  
HS/CCCN 8414.59.00.00-4-B

HS/CCCN 8505.11.00.00-1  
HS/CCCN 8505.19.00.00-3  
HS/CCCN 8715.00.00.00-0-B  
HS/CCCN 9208.10.00.00-0  
HS/CCCN 9503.00.11.00-1-B  
HS/CCCN 9503.00.21.00-9  
HS/CCCN 9503.00.22.00-8  
HS/CCCN 9503.00.23.00-7  
HS/CCCN 9503.00.24.00-6  
HS/CCCN 9503.00.29.00-1  
HS/CCCN 9503.00.31.00-7  
HS/CCCN 9503.00.41.00-5  
HS/CCCN 9503.00.51.00-2  
HS/CCCN 9503.00.61.00-0  
HS/CCCN 9503.00.62.00-9  
HS/CCCN 9503.00.71.00-8  
HS/CCCN 9503.00.81.00-6  
HS/CCCN 9503.00.91.10-2  
HS/CCCN 9503.00.91.20-0  
HS/CCCN 9503.00.91.90-5  
HS/CCCN 9503.00.92.10-1  
HS/CCCN 9503.00.92.90-4  
HS/CCCN 9503.00.93.10-0  
HS/CCCN 9503.00.93.20-8  
HS/CCCN 9503.00.93.30-6  
HS/CCCN 9503.00.93.90-3  
HS/CCCN 9504.40.00.00-5  
HS/CCCN 9504.90.90.00-5-B  
HS/CCCN 9505.10.00.90-1  
HS/CCCN 9505.90.00.00-3  
HS/CCCN 9506.62.90.00-7  
HS/CCCN 9506.69.90.00-0  
HS/CCCN 9506.91.00.00-1  
HS/CCCN 9506.99.00.90-4-B  
HS/CCCN 9608.10.00.00-6  
HS/CCCN 9608.20.00.00-4  
HS/CCCN 9608.30.10.00-0  
HS/CCCN 9608.30.90.00-3  
HS/CCCN 9608.40.00.00-0  
HS/CCCN 9608.50.00.00-7  
HS/CCCN 9608.99.00.00-0  
HS/CCCN 9611.00.10.00-1

The HS/CCCN is reference only and the scope of toys will be consistent with Article 1 of CNS 4797.

**Inspection standards:**

CNS 4797      Safety of toys (General requirements)  
CNS 4797-1    Safety of toys (Flammability)

CNS 4797-2	Safety of toys (Migration of certain elements)
CNS 4797-3	Safety of toys (Safety aspects related to mechanical and physical properties)
CNS 4797-4	Toy Safety (Experimental sets for chemistry and related activities)
CNS 4797-5	Toy Safety (Chemical toys (sets) other than experimental sets)
CNS 14276	Safety of electric toys
CNS 15138	Method of test for determination of plasticizers in plastic products - Gas chromatography
CNS 15138-1	Method of test for determination of phthalates plasticizers in plastic products - Part 1: Gas chromatography/mass spectrometry
CNS 15493	Safety requirements of plastic puzzle ground mat
CNS 10890	Method of test for food microbiology - Test of standard plate count (Aerobic plate count)
CNS 10891	Method of test for food microorganisms - Test of Staphylococcus aureus
CNS 10951	Method of test for food microorganisms - Test of Escherichia coli
CNS 10952	Method of test for food microorganisms - Test of Salmonella
CNS 13434	Method of Test for Microbiology in Bottled Water - Test of Pseudomonas Aeruginosa
CNS 15330	Method of test for food microbiology - Chip-based test of food-borne pathogens

#### **Inspection items:**

- **Chemical Materials Test:** The test will be performed for all parts of the toys, including plasticizers, heavy metal, formaldehyde emission.
- **Physical Performance Test:** The test will be performed for all parts of the toys, including mechanical and physical properties test etc.
- **Flammability Test:** The test will be performed for all parts of the toys, including prohibited flammable material and their flammability when they are submitted a small source of ignition.
- **Electrical Test:** The test will be performed for all containing electrical driven toys, including short circuit test, heat and abnormal use, electrical isolation, moisture resistance, mechanical strength.
- **Biological Safety Test:** The test will be performed for all containing a liquid substance of the toys, including bacterial counts less than 3,000 CFU/g and without detected any Escherichia coli, Pseudomonas aeruginosa, Salmonella, and Staphylococcus aureus

#### **Conformity assessment procedures:**

Monitoring Inspection and Registration of Product Certification (RPC) Scheme (Module II + III) without any change.

#### **Locations to apply for Monitoring Inspection or Registration of Product Certification:**

- The BSMI or its branches.