



## Introduction of the American Toy Safety Standard ASTM F963-23

ASTM F963 is the American standard for toy. The version that is currently in force is ASTM F963-23, officially replacing the previous specification ASTM F963-17. In the U.S., this is the mandatory new toy safety standard, which also governs toy products exported to the U.S. market. Unlike the EU toy safety standard EN71-3, ASTM F963 contains test requirements for total lead content. The regulation prohibits the use of paints or similar surface-coating materials that contain lead or lead compounds and in which the lead content (calculated as lead metal [Pb]) is in excess of 0.06 % (600 ppm) of the weight of the total non-volatile content of the paint or the weight of the dried paint film.

At the same time, the American Consumer Product Safety Commission (CPSC) stipulates restrictions on the total lead content found in children's products. With a few limited exceptions, all children's products manufactured in or imported into the United States must not contain more than 100 ppm of total lead content in accessible parts. The CPSC requirement supersedes this requirement of ASTM F963-23, section 4.3.5.2.

In addition to the limits on lead content, ASTM F962-23 specifies that surface-coating materials shall not contain compounds of antimony, arsenic, barium, cadmium, chromium, lead, mercury, or selenium of which the metal content of the soluble material is in excess of the levels by weight of the contained solids (including pigments, film solids, and driers) given in Table 1.

TABLE 1 Maximum Soluble Migrated Element in ppm (mg/kg) Toy Material

Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
(Sb)	(As)	(Ba)	(Cd)	(Cr)	(Pb)	(Hg)	(Se)
60	25	1000	75	60	90	60	500

The ASTM F963-23 toy safety standard is an important specification in the United States. Toy manufacturers should note the requirements of CPSC 16 CFR and its changes in a timely manner while also verifying that their products satisfy ASTM F963 to ensure their products meet the requirements of U.S. law.

## Trust Chem Shines Brightly at Four International Exhibitions

In April 2024, Trust Chem sparkled on the global stage, participating consecutively in four major international exhibitions: the Middle East Coatings Show (MECS), China Interdye, Chinaplas, and the American Coatings Show (ACS). Each exhibition marked a significant achievement for the company. These events not only provided us with an excellent platform to showcase our outstanding products, cutting-edge technologies, and quality services, but also fostered in-depth exchanges and collaborations with global industry leaders.

At the exhibitions, Trust Chem garnered widespread praise and recognition for its exceptional product quality, professional service team, and forward-thinking market insights. The company also established close partnerships with numerous domestic and international peers, laying a solid foundation for its continued expansion in the global market.

Looking ahead, Trust Chem will continue to uphold its mission of creating global brands and adding color to the world, providing global customers with even more advanced products and services.



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