

Funò di Argelato, 05/03/2024

Sericom inks compliance to the EN 71:3 Directive.

This declaration is valid for standard shades of one component inks, two component inks, Ink system and Process colors, HD shades and for all not standard shades which do not contain metallic shades, metallic pastes or fluorescent pigments or inks.

In order to clarify any doubt on not standard shades, is always recommended to provide us a specific request.

Directive 2009/48/EC on the safety of toys

On 20 July 2009 the EU Directive 2009/48/EC (Toy Safety Directive = TSD) was published, which replaces the Directive 88/378/EEC. As with the 1988 Directive there are limits on the amount of elements (heavy metals) that may migrate from the toy. These limits are now prescribed for 19 elements and for 3 categories of toy materials and are considerably lower than the 1988 limits. **All limits refer to the end article, i.e. the colored toy.** We follow ETAD's recommendation to determine the total content of the elements specified in 2009/48/EC for the colorants that are used for the production of colored toys.

This recommendation does not apply to products containing a listed element as an inherent part of the molecular structure or formula and for specific products due to the manufacturing process. In these cases for certain heavy metal(s) the extractable content has to be considered.

Although downstream treatment of pigments especially by comminuting, chemical and thermal action for final matrix use by the toy manufacturer (e.g. extruders and dissolvers) will considerably change leaching properties.

Responsibility:

However, it must clearly be emphasized that it remains the responsibility of the economic operator placing the article (toy) on the market to ensure compliance with migration limits as for the 19 elements, as long as declared on 2009/48/EC safety directive, attachment II, part III on chemical properties.

The use of the table of heavy metals limits below make it possible for the manufacturer of toys to assess and ensure himself on the conformity of his toy to all the EN 71 directive.

The "Total content" is obtained through the inevitable presence of ubiquitous traces of impurities of heavy metals that are present today in the environment and derived from natural sources such as, for example anthropogenic sources but also by integral parts of molecular structures. Traces of impurities are in greater or lesser extent present in each product.

For some metals is indicated the "extractable content" because some pigments used in the ink formulation, containing an element as part of the molecular structure. The total content of these elements may then exceed the limits expressed in ETAD. However this may not affect the migrant-part of the toy.

All information and statements of this declaration refer to the sealed ink content and intact, free of any contamination derived from improper use by the operator.