

## **Printing Inks and related products: meeting the requirements of European Standard EN 71 "Safety of Toys"**

European Standard EN 71 - Part 3 "Migration of Certain Elements" sets limits for the extractable content of the elements antimony, arsenic, barium, cadmium, chromium(VI), lead, mercury, and selenium from toys.

As stated in the EuPIA "Exclusion List for Printing Inks and Related Products", pigment colourants based on, and compounds of, the above mentioned elements are not used in the manufacture of printing inks, with the exception of barium lake red pigments. As suppliers of printing inks and related products, we take care not to use barium lake red pigments with high extractable barium content.

From our previous history of supply of printing inks and related products for decoration and printing of toys and a knowledge of the raw materials used in the manufacture and the manufacturing processes used, we expect all printing inks, varnishes and related products supplied by European members of **hubergroup**, if used under normal industrial conditions, to enable the toy to comply with the extractability requirements of EN 71 - Part 3.

As suppliers of printing inks and related products we cannot take responsibility for the handling and use of our products outside our own operations. As EN 71 - Part 3 relates to the properties of the finished toy, not the ink as supplied to the printer, it is the responsibility of the toy manufacturer to demonstrate the compliance of the finished toy.

Further parts of EN 71 (Parts 9 -11), which still are in the course of approval, deal with the risks from organic chemicals. Printing ink films are not regarded to be subject to the requirements of these parts of EN 71. The existing drafts of part 9 have not been accepted by the European Commission and not been published in the Official Journal of the European Union.

In January 2008, the European Commission announced a revision of the Toys Safety Directive 88/378/EEC and published a proposal - COM (2008) 9 - which would require a complete revision of the standard EN 71. In the event that future amendments of the Toys Safety Directive or the standard EN 71 would affect the exclusion of applied printing ink films, this statement will be modified accordingly.

*Kirchheim, June 12, 2008*

*MHM HOLDING GmbH*

A handwritten signature in black ink that reads "S. Gierisch".

Dr Sebastian Gierisch  
Manager Product Safety **hubergroup**