



Jablonec nad Nisou
The Czech Republic
5th August 2009
Updated: 1st March 2012

Subject matter:

PRECIOSA Declaration of Possible Effects of Lead in Glass on Human Health

Crystals and crystal glasses containing lead have a very special composition and structure profoundly different from the other objects containing lead. **Lead is firmly fixed in a silicate matrix in these crystal glasses and the matrix immobilizes lead atoms effectively so their release with a standard handling is practically insignificant. The chemical composition of PRECIOSA crystal and the technology of its production were developed on the latest scientific knowledge basis to fix perfectly all the glass components – mainly lead – in the basic matrix.**

All PRECIOSA glass melts are made in the way that quantities of components released from them are substantially under the maximum allowable limits stated in the actual strict EU standards for harmful substances release.

PRECIOSA holds the EN 71 Certificate confirming that glass jewellery semi-products produced by our firm meet the EN 71-3 EU Standard Toy Safety.

To have negative impact on human lead has to be in a “sufficiently” mobile form. In particular, a real danger represents soluble compounds or objects releasing or infusing lead spontaneously.

The methodology that simulates solution of dangerous substances in a human stomach (e.g. when swallowed or licked by children) is used to test products in accordance with the standard (norm). The levels of lying (migrating) elements are thought to be biologically accessible for the human body metabolism and are compared with the toxicological and hygienic standards required for a child organism. In case that the tested products meet the requirements of the standard (norm) they can be filed into the toy category including the toys determined for a contact with foodstuffs and/or cosmetic toys. It is widely known that toxicological characteristics of lead are for a human and/or human living environment highly dangerous. Nevertheless, lead causes problems not as a piece of metal or as a solid substance.

Chatons in 39 colours were chosen to represent the complete PRECIOSA assortment. The test confirmed that manipulation (handling) with the jewellery and/or other products made of glass jewellery stones is not – as regards the hygienic requirements – dangerous for a user and that the products are not harmful for health – nor for a child under 6 years (it is with the possibility of a product swallow up).



Cases of Health Complications caused by jewellery glass stones contact with skin are not known at the time.

Loose PRECIOSA stones can be dangerous when used by children, in case of swallow-up or breath-in.

Danger of Jewellery stones is represented by their geometrical and mechanical features (size, dissolubility) that can cause similar problems like any other natural stone, sand or any other inorganic solid substance.

Do not let children handle or work with loose stones without an adult supervision. In case that it is not possible to guarantee such supervision, PRECIOSA recommends prevent children from stones. In case of breath-in contact a doctor.

In NO case there is any danger of chemicals and/or other substances release in quantities harmful for a human organism when handling and/or swallowing of PRECIOSA crystal stones.

Your reliable partner,

Preciosa

If you have further questions about this declaration or you would like to learn more about Health&Safety issues contact Mr. Zdenek Smiegr
zdenek.smiegr@preciosa.com.

More information about Health&Safety issues is also available at
<http://www.preciosa.com/en/components/crystal-components/health-and-safety/>

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