

PRECIOSA

# REACH - Registration, Evaluation, Authorisation and Restriction of Chemical Substances

## **TERRITORY**

European Union

## **RESTRICTION SUBJECT**

Human Health and Environment Protection against adverse effects of chemical substances

The European Commission elaborated a Directive (EC 1907/2006) known as REACH with the aim to ensure Human Health and Environment Protection against adverse effects of chemical substances. The Directive imposes - to all companies conducting business with chemical substances - to adopt compulsorily “a special chemical substances work regime”. (REACH is valid from 1st of July 2007.)

Producers, importers and follow-up users of chemical substances and/or substances contained in preparations and in items must, in compliance with the Directive, ask for their registration at the European Chemical Agency as of 1st of June 2008.

The obligation to register in relation with chemical composition is mainly related to chemical substances and preparations made of them, but not according to the article 7, the paragraph 1 of the REACH Directive to final products, i.e. items which can be considered – under standard or reasonable foreseeable conditions of use – as completely safe.

Preciosa does not supply either chemical substances or chemical preparations or mixtures on the market. The products that we supply are final products that meet the above mentioned requirements. This means that they are not subject to the REACH registration.

Preciosa guarantees to the customer that all products of Preciosa are in conformity with requirements specified in COMMISSION REGULATION (EU) No 217/2016 of 16 February 2016 amending Regulation (EC) No

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1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII.

According to this regulation all components of jewellery must contain less than 0,05 % (500 ppm) of lead and its compound by weight. Lead bound in crystal glass as defined in Annex I of Council Directive 69/493/EEC are exempt.

## **CRYSTAL GLASS CATEGORIES DEFINED IN ANNEX I OF COUNCIL DIRECTIVE 69/493/EEC:**

### 1) Full Lead Crystal (Crystal Superior)

>30 % PbO (Lead Oxide); >40 % SiO<sub>2</sub> (Silicon Dioxide) and >10 % Na<sub>2</sub>O and K<sub>2</sub>O together (Sodium and Potassium Oxide)

### 2) Lead Crystal

>24 % PbO (Lead Oxide); >45 % SiO<sub>2</sub> (Silicon Dioxide) and >10% Na<sub>2</sub>O and K<sub>2</sub>O together (Sodium and Potassium Oxide)

### 3) Crystal Glass

>10 % of ZnO (Zinc Oxide), BaO (Barium Oxide), K<sub>2</sub>O (Potassium Oxide), PbO (Lead Oxide) single or together, density >2.45 kg/dm<sup>3</sup>, refractive index n<sub>D</sub> >1.520.

**Preciosa, a.s. herewith guarantees to the customer that all products of Preciosa are in conformity with these requirements because they either contain less than 500 ppm of lead and its compounds by weight, or they can be classified as crystal glass according to Annex I of Council Directive 69/493/EEC and they are exempt. All products Preciosa marked as Lead Free Brilliance are in conformity with these requirements because they contain less than 90 ppm of lead and its compounds by weight.**

The Preciosa Company or its customers are therefore not currently obligated to take any measures related to this matter.

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At the same time we would like to assure you that all the chemical substances which we buy are in compliance with the REACH Directive and the way in which Preciosa handles them meets the strictest safety regulations to guarantee Human Health and Environmental Protection.

## **CONTACT FOR MORE INFORMATION**

If you are interested in further information regarding any of the topics mentioned herein, please contact our sales department or send an email to [info@preciosa.com](mailto:info@preciosa.com).

## **UPDATE**

15. 1. 2026