

RAMBLA chair

by Martín Azúa

Sustainability (1/2)

m114

Mobles 114

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OBJECTIVE

This document provides relevant information from an environmental, health and human toxicity point of view. The objective of this self-report is to provide arguments stating that this product is environmentally preferable to other similar products of the market.

ENVIRONMENTAL VALUES

This product is made up of a steel structure and a polyurethane (PUR) cushion (optional).

1. This product can be completely disassembled. Thus, each component can be easily recycled
2. Both steel and plastic are 100% recoverable through recycling.
3. Heat is applied to paint the footrest, therefore no catalyst or solvent is used.
4. The paint used is made of polyester epoxy powder Interpon 610, according to ISO 9001: 2000 / ISO 14001: 2004 regulations. This preparation has been assessed by the conventional method of the Dangerous Preparations Directive 1999/45 / EC, and is not classified as dangerous for the environment (Directive 67/548 / EEC of Hazardous Substances).
5. It does not contain any Volatile Organic Compounds.
6. The polyurethane is essentially composed of urethane and isocyanates, toxic in liquid or particles state through inhalation. Nevertheless, thanks to the polyurethane outer skin once it is already catalyzed and the chemical reaction from the manufacturing injection finished, it becomes chemically inert. The Spanish Health Ministry only set limits for exposure to isocyanates in liquid. Therefore, this product is not considered dangerous. Nor has problems purge toxic products considered dangerous. In any case, the urethane appears in the list of carcinogenic and mutagenic substances of 1st and 2nd category classification harmonized in the European Union, according to Royal Decree 363/1995. Referring to the workplace and under the Spanish Health Ministry the polyurethane is at risk for

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chronic lung disease and according to some studies, carcinogenic risk to the workplace manufacturing preparation, in this case the place of manufacture of RAMBLA chair.

7. The decomposition of polyurethane may produce isocyanates, carbon monoxide, nitrogen oxides and hydrogen cyanide. If the fire combustion occurs you or fireman should wear self-contained breathing indoors equipment. The polyurethane polymer powder can cause irritation to eyes and lungs. In such cases, adequate hygiene controls and personal protective equipment (PPE) such as gloves, dust masks, respirators, mechanical ventilation, protective clothing and goggles should be used.
8. The supplier of the polyurethane injection is certified with Environmental Management System CGM-00/120
9. It complies with the REACH Regulation (EC) No 1907/2006 of the European Parliament and the Council (18th December 2006) because: Mobles114 declares that it keeps the correct way of communication with its suppliers, and RAMBLA products do not contain raw materials requiring registration; they do not contain any of the substances included in the "SVHC" list (Substances of Very High Concern) published by ECHA (European Chemicals Agency) in the quantities specified (the manufacture of annual RAMBLA products does not exceed the amount of 1 tonne of these substances considered as very high concern). For all these reasons, RAMBLA products are considered to meet the REACH Regulation requirements.