

LUCO

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

Product designed to minimize the environmental impact during its life cycle.

1. This product can be completely disassembled. Thus, each component can be easily recycled.
2. Use of solid beech wood from FSC (Forest Stewardship Council). Seat and feet are glued.
3. Feet are joined by means of a footrest fixed with blue steel screws.
4. Use of water-based varnish (without any solvent).
5. Steel rod with cathodolysis finish and epoxy powder coating.
6. The Urea Formaldehyde adhesive resin, according to its corresponding safety data sheet, is not considered dangerous but presents different risks: formaldehyde is a powerful component irritant for the eyes, skin and respiratory system. Continuous exposure to formaldehyde can lead to chronic respiratory diseases.

I contains < 0,2 % Formaldehyde according to N.67/548/CEE: 605-001-00-5 Regulations

CAS: 50-00-0 EINECS: 200-001-8, is classified as:

Carc. Cat. 3 (Carcinogenic category 3) R40

T (Toxic) R23/24/25C

C (Corrosive) R34

(Sensitizing) R43

It contains min. 97,5% Urea Polymer / formaldehyde, excipient, catalyst.

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7. Heat is applied to paint the footrest, therefore no catalyst or solvent is used.
8. 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).
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 LUCO 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 LUCO products does not exceed the amount of 1 tonne of these substances considered as very high concern). Steel handles are electrolytic galvanized finished; this finishing contains chromium VI fixed, so it is stabilized and therefore chemically inert. Such material has some restrictions in their manufacture, sale and use only in case of direct and prolonged contact with the user's skin. For all these reasons, LUCO products are considered to meet the REACH Regulation requirements.