

NUTA

by Lluís Pau

Sustainability (1/2)

m114

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AIM

This document provides information deemed relevant from the point of view of the environment, human health and toxicity. The aim of this self-declaration is merely to provide information and justification that this product is environmentally preferable over other similar products on the market.

ENVIRONMENTAL VALUES

Barstool made from a chromed or painted steel structure and a seat available in different materials: solid beech, painted steel, matt stainless steel and solid polyurethane.

1. In the wood version, the seat is made from solid FSC wood (Forest Stewardship Council). Made up of three or four planks joined using wood glue or vinyl adhesive (PVA). Turned and varnished using a polyurethane finish.
2. In the stainless steel version, the seat is varnished with cellulose-based Valzapon to prevent finger marks. Inflammable. In liquid form it is toxic to inhale and irritates the eyes. (Information from the compound's Safety Sheet).
3. In the polyurethane version, the seat fundamentally consists of urethanes and isocyanates, toxic in liquid form and as particles when inhaled. But solid polyurethane with its external skin, once catalyzed and fully reacted after its injection process, becomes chemically inert. The Spanish Health Ministry has only established exposure limits for isocyanates in liquid form. This product is therefore not deemed dangerous to use. Nor is a purge required of toxic products deemed dangerous. In any case, urethane appears on the European Union's harmonised classification of 1st and 2nd category carcinogens and mutagens, as per Royal Decree 363/1995. Regarding the workplace and according to the Spanish Ministry of Health, polyurethane incurs the risk of chronic pulmonary disease and, according to some studies, carcinogenic risk in the workplace when manufacturing this preparation, in this case the place where the NUTA barstool is manufactured.
4. The decomposition of polyurethane can produce isocyanates, carbon monoxide, nitrogen oxides and hydrogen cyanide. In the case of combustion, firefighters must use self-contained breathing appa-

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tus in enclosed spaces. Polyurethane polymer dust may irritate the eyes and lungs. Suitable hygiene controls and personal protective equipment (PPE) must be used, such as gloves, dust masks, breathing apparatus, mechanical ventilation and protective clothing and goggles must be used.

5. The steel, aluminium and wood can be 100% recovered via recycling.
6. Complies with REACH - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, of 18 December 2006, due to the following: Mobles 114 declares that it maintains a correct channel of communication with its suppliers and that NUTA products do not contain raw materials that need to be registered. They do not contain any substances on the SVHC list (Substances of Very High Concern) published by ECHA (European Chemical Agency) in the quantities specified (the annual production of NUTA products does not produce more than 1 tonne of these substances deemed of very high concern). For all these reasons, NUTA products are deemed to comply with the requirements of the REACH regulation. The frame has been finished in chrome and therefore contains chrome and nickel, fixated and therefore stabilised or chemically inert. Nickel plating, applying between twenty and twenty-five microns, and chrome plating, between 0.15 and 0.20 microns. Restrictions regarding the production, sale and use of these substances only apply in the case of direct and prolonged contact with the user's skin.
7. The solid polyurethane complies with Directive 95/28/EC relating to the burning behaviour of materials and U.T.A.C. ST 18-502/1 - 1985 type A.
8. The supplier of injected polyurethane has CGM-00/120 certification for Environmental Management.
9. The company providing the chrome has been declared Environmentally Suitable (Decree 50/2005).