



INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"KEY ELEMENTS FOR A SUSTAINABLE WORLD: ENERGY, WATER AND CLIMATE CHANGE"

Cleaner Production in Sector for the Manufacture of Leather Artifacts: Overview and Considerations

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Abstract

The environmental concern with the residues of the Sector of Manufacture of Leather Devices is justified by the high generated volume and by the degree of contamination with toxic metals of these residues. The residues of the leather contain high dosage of chromium - substance used in the tanning of bovine skin. It's not degradable, chromium is a risk of contamination of soil and groundwater in areas where residues are deposited. The substance is a heavy metal that can cause allergies and even cancer, if present in large quantities in the human body. Heavy metals, such as chromium, differ from other toxic agents because they are not synthesized or destroyed by man. Residues containing toxic metals have high power to contamination, than the cost of the high cost for its disposal in industrial landfills. Within this context, the paper presents an overview on the sector, the importance of the methodology of Cleaner Production and the first steps of this tool to evaluate the productive process and try to minimize residues generation, reduce costs, increase competitiveness and gain environmental sector and the population as a whole.

Keywords: Residues, Leather, Chrome, Cleaner Production, Management System
