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“CLEANER PRODUCTION TOWARDS A SUSTAINABLE TRANSITION”

The Reduction of Waste Generated in Water Treatment. A Study on the Viability of Using Hypochlorite in Tablet in Manaus

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Abstract

The treatment for water disinfection requires the use of products such as hypochlorite, which is generally used in liquid form. The use of this product type generates waste as packaging and empty bottles that need to be properly disposed not to pollute the environment. An alternative to this product is the hypochlorite in tablet, which allows reduction waste without compromising water treatment. The objective of this research was to evaluate the tablet hypochlorite use of viability in the city of Manaus, considering the direct acquisition in city of São Paulo. The Research has shown that the choice of hypochlorite in tablet may be advantageous, since transportation costs are reduced in relation of the costs for transportation of hypochlorite in liquid form. Furthermore, there is a reduction in the generation of empty containers, which reduces the costs of treating this type of waste.

Keywords: *Reduction; Hypochlorite; Water treatment.*

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