

Evaluating of potential impacts of liquid detergent using life cycle assessment methodology

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<p>Article History: <i>Received</i> :25/09/2018 <i>Accepted</i> :20/11/2018</p>	<p>Abstract : <i>The goal of this study was to use life cycle assessment (LCA) methodology to assess the environmental impact of liquid detergent intended for dish, clothes and multi user, which is produced by a leader manufactory in Algeria town. This LCA was used to evaluate the environmental impact generated by this company and to determine the contribution of compound to impacts evaluated, and to try to carry out a comparative study between these products.</i></p> <p><i>This study seems to be in need of using of SimaPro7.1 software and EDIP 2003 method.</i></p> <p><i>The input data needed to conduct Life Cycle Inventory (LCI) coming from this factory, which use different raw material imported from European and Asian countries, energy used is coming from Algerian resource. Outputs are the result of wastewater analysis of this factory in different forms (liquid, solid and gas form).</i></p>
<p>Key Words: <i>Detergent ingredients ; LCA methodology ; Surfactant ; Environmental impacts...</i></p>	