

BIODEGRADATION OF ALKYL POLYGLYCOSIDES

Applicable to these current Eco-Care products:

Eco-Care Quick Car Wash

Eco-Care Vinduerens

Biodegradation Information:

Under EEC Directive 82/242 aerobic biodegradation is required and is defined as the biodegradation achieved when all of the surfactant is broken down to carbon dioxide, water and mineral salts. The methods to determine the ultimate biodegradability of a surfactant are listed in Annex III of the regulation and are based on monitoring the CO₂ formed or O₂ consumed. To pass the directive a level of 60% ThOD in 28 days is required. In practice, the pass level of 60% means a complete biodegradation since some of the carbon in the surfactants is used by the microorganisms to build new biomass as indicated by the %DOC.

Biodegradation of Eco-Care Alkylpolyglycosides Determined by Method: OECD 301 B

The total of the organic components contained in the product achieve > 60% BOD/ COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for 'readily degradable' (e.g. to OECD method 301). Method: OECD 301 B

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