

Zemea®* the Natural Choice... Purity and Renewable Performance



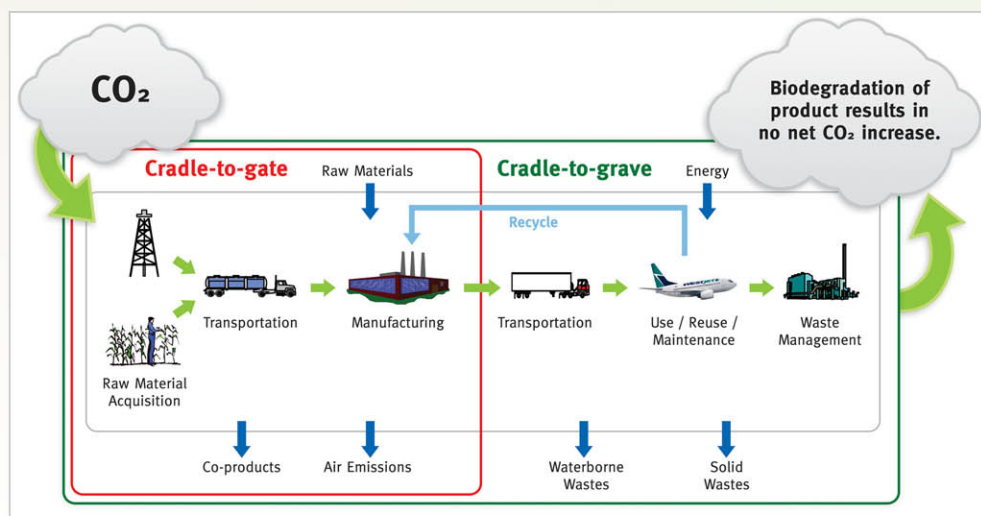
Zemea®
renewably sourced™ propanediol

Life Cycle Analysis

A cradle-to-gate Life Cycle Analysis based on ISO 14040 guidelines was completed on Zemea® Propanediol. The results are posted on DuPont's renewable website www.renewable.dupont.com.

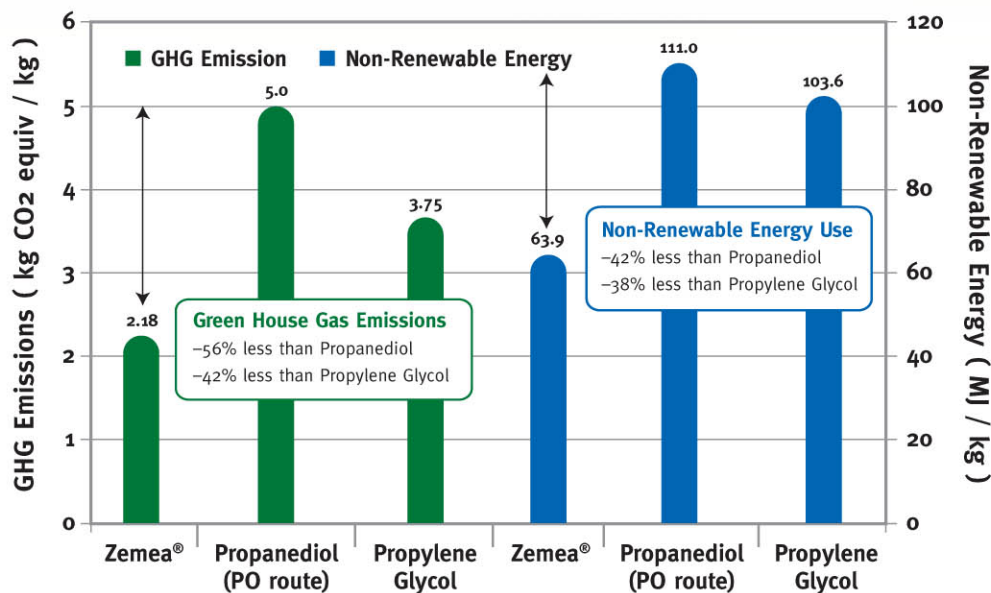
Life Cycle Analysis Approach

LCA is the only standardized method to evaluate the environmental footprint of a whole supply chain. Energy consumption and Green House Gas (CO₂) emissions are key factors in determining environmental footprint.



Life Cycle Assessment* Comparison

From "cradle-to-gate," the production of Zemea® consumes 40% less energy and reduces greenhouse gas emissions by more than 40% versus petroleum-based 1,3-propanediol and propylene glycol.



*Zemea® LCA data based on Loudon process design data; peer reviewed by Five Winds International.



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