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NEW DEVELOPMENTS FROM RENEWABLE RESOURCES : AN ILLUSTRATION FOR SURFACTANTS

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PURPOSE OF THE ABSTRACT

As an industrial group committed to sustainable development, Solvay is committed to finding new differentiating products and solutions for our customers. Decreasing our energy, carbon and CO₂ footprints is our global ambition. As a chemist, developing new products coming from renewable resources is also a clear target. However, this should always be performed integrating life cycle analysis including the applications to ensure that high quality solutions for our customers are provided [1-4].

Our present topic will be focused on our continuous efforts to replace fossil based surfactants by new products starting from renewable resources. Industrials are always focused to find the best solution which means optimal performance/cost ratio, sustainable raw materials, chemical routes and processes and freedom to operate. This talk will be illustrated by a recent development on surfactants for Enhanced Oil recovery [5].

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

Surfactants | Sulfonates | Sustainability | Fatty acid

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