

N°292 / OC

TOPIC(s) : Industrial chemistry

New Eco-friendly Surfactant to Generate Thick and Long Lasting Foam

AUTHORS

Estelle ILLOUS / SEPPIC, 127 CHEMIN DE LA POWDERIE, CASTRES

PURPOSE OF THE ABSTRACT

In many industrial applications, such as detergency, firefighting, drilling... foam characteristics are essential to achieve the targeted performance. One of the main difficulties is to obtain simultaneously quick foam development, high foam volume and sufficient stability. To meet this challenge, a fully bio-based foaming agent was developed, using biodegradable and non-ecotoxic materials. A sustainable manufacturing process was developed by minimizing energy loss and avoiding the use of a co-solvent. The foaming performance of this new eco-friendly agent was evaluated and compared to usuals industrial foamers.

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

Surfactant | Bio-based | Eco-friendly | Foam

BIBLIOGRAPHY