

Chlorination and Sulfonation Chemistry – More Sustainable Approaches

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Nowadays, plenty of activities can be observed in the field of green chemistry. Especially beneficial may be the approaches to generate basic synthetic building blocks out of renewable materials, which at the end of their lifecycle decompose in a biodegradable way. However, not every molecule can be synthesised based on renewable raw materials and not every green product is sustainable.

Chlorination and sulfonation reactions are widespread, frequently applied processes in chemical synthesis, but by definition, are not green chemistry. Nevertheless, CABB operates these processes in a sustainable way, based on two main technologies: continuous processes and the so-called “Verbund and recycling system”.

The presentation will show the concept of the “Verbund and recycling system” and will demonstrate in case studies how chlorination and sulfonation processes can be performed in a sustainable way.