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EVO-IVING WITH SUSTAINABILITY: SAME HIGH PERFORMANCE PLASTICISERS WITH A REDUCED CARBON FOOTPRINT

It is being increasingly realized today that the path to a sustainable future need to take into account how we make the best and most efficient use of our limited natural resources or – to put it in a different way – how we can make more with less.

From a raw material development perspective, many different aspects of sustainable development need therefore to be considered. Carbon footprint, content of renewable or circular components as well as impact on performance and life time of the final product are features which need to be considered for a proper assessment of overall sustainability.

Highly refined naphthenic oils have for a long time been used by the adhesive industry for the efficient production of high performance hotmelt adhesives – not the least in pressure sensitive hotmelt adhesives – where they are appreciated for their high performance in application which gives stronger adhesives with a longer service life. The combination of a high degree of refining, and excellent compatibility with polymers and resins paves the way for such properties which are in high regard by the industry.

As a further step into our contribution to sustainability Nynas has taken steps to make – through our EVO platform – the same products however with a significant reduction in the carbon footprint.

At the same time, our ReSolution platform takes into account the different aspects of sustainability where performance over life span of product as well as emissions throughout the value chain plays a vital role.

In this paper we will present our work on sustainable development through the ReSolution platform, with a focus on our latest offering of sustainable plasticizers for the adhesive industry.