

## **Botanical polyphenol-based Vitamin E alternatives**

The fire on October, 31<sup>st</sup>, 2017 at BASF's Citral manufacturing plant in Ludwigshafen, Germany, is already expected to have severe consequences for the global supply of certain vitamins. The element Citral is used in the production of amongst others Vitamin E and Vitamin A; in consequence, a sudden shortage of especially these two vitamins is anticipated. This shortage is expected to be severe, as several other relevant developments in the production of the vitamins also happened in the autumn. The shortage is expected to last many months and at least until after the summer 2018.

Users of Vitamin E have, however, the possibility of (partially) replacing Vitamin E with polyphenol-based alternatives. Such products can, at higher inclusion rates than required for replacement of Vitamin E, be very cost-efficient performance enhancers.

Please contact us if you would like know more about what we and our partners offer.