



## Case Study inhibitors for use in sheetfed offset inks

*dtd* identifies alternative inhibitors for the use in sheetfed offset inks

### Problem

- Our client's business unit „Print Solutions“ develops and produces a wide range of sheetfed offset inks.
- When formulating the printing inks, the focus is on the targeted adjustment of the oxidative drying properties through the application of inhibitors.
- Currently, due to the regulatory framework conditions and the use of the substances MTBHQ and BHT - a hazardous substance labeling is now necessary if a certain amount of these substances is exceeded.
- In order to avoid this labeling, *dtd* was asked to find alternative inhibitors to replace the substances BHT and MTBHQ in particular, to meet the technical requirements and which at least could be tested promptly by the customer and then be purchased.

### Procedure

- In its global industrial network, *dtd* is specifically looking for raw material manufacturers and suppliers of alternative inhibitors for the substances BHT and MTBHQ with whom our customers could enter into a long-term supplier relationship.
- It was particularly important during the exchange with the potential suppliers to ask very clearly whether the alternative substances could also meet the properties and requirements of the current inhibitors.
- The sending of material samples was organized.

### Result

- The *dtd*'s project work resulted in a satisfactory number of potential and suitable manufacturers / suppliers of alternative inhibitors.
- Our customer was very surprised by the number of suppliers, the speed with which the first results were presented, the large number of potential substances that they themselves would never have thought of and the provision and procurement of the material samples.
- After providing the samples, the test phase at the client could be started.
- In all of this, our customer always remained anonymous.

### Conclusion

Our customer wanted to react promptly to the regulatory conditions. The *dtd* specifically searched for suitable alternative inhibitors in its global industrial network. Although MTBHQ and BHT are already among the least dangerous substances and there is probably a lack of suitable alternatives on the market, the *dtd* was still able to generate around 20 alternative inhibitors after about 6 weeks. Material samples could be provided very quickly. Thanks to the services of *dtd*, our customer now has the option of optimizing his colors and avoiding the labeling requirement. In addition, unimagined substances and solutions have emerged that our customer would never have encountered himself, and above all, not in such a short time.