

## BIO-BASED SUSTAINABLE ADDITIVES

Our supplier Münzing Chemie and Applied Chemicals feel the responsibility of contributing towards environmental protection and sustainable development. With the bio-based additives of Münzing Chemie a variety of additives is available to meet these criteria.

Sustainable development is development that serves the needs of the present generation without compromising the ability of future generations. The paint and coatings industry is increasingly aware of the need to produce in a sustainable manner. The marketed products must not only be economically but also socially and ecologically sustainable. Sustainability is originally a forestry principle according to which no more wood must be cut down as can regrow respectively. Raw materials for paints based on regenerative raw materials help to achieve this overall goal of sustainability.

Both Münzing Chemie, as a producer, and Applied Chemicals as a supplier have already been certified according to Responsible Care. This program is a global initiative of the chemical industry to continuously improve the environmental, health, safety and security knowledge and performance of our technologies, processes and products over their life cycles so as to avoid harm to people and the environment. In addition, both companies meet a number of other certifications such as ISO 9000, 14001, 50001.

The biobased additives of Münzing Chemie also meet a variety of biolabels.

The available additives cover a wide spectrum of services. In the table below the main product groups are listed:

- AGITAN / DEE FO / FOAM BAN
- TAFIGEL
- METOLAT



- EDAPLAN  
wetting / dispersing agent
- AGITAN P powder defoamer
- METOLAT P  
powder shrinkage reducing additive
- METOLAT P  
powder wetting agent

Depending on product, the additives consist of a significant different high organic content. Some examples with their respective share of the raw materials that are not based on fossil origin are listed below.

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- \_ AGITAN 109 (ca. 70%)
- \_ AGITAN 271 (ca. 50%)
- \_ AGITAN 301 (ca. 85%)
- \_ AGITAN 361 (ca. 95%)
- \_ AGITAN 373 (ca. 95%)
- \_ EDAPLAN 397 (ca. 30%)
- \_ LEUKONÖL LBA2 (ca. 85%)
- \_ METOLAT 250 (ca. 85%)
- \_ METOLAT 367 (ca. 33%)
- \_ METOLAT 368 (ca. 99%)
- \_ METOLAT 388 (ca. 50%)

- \_ METOLAT 390 (ca. 70%)
- \_ METOLAT P 588 (ca. 65%)
- \_ METOLAT TH 75 (ca. 87%)
- \_ OMBRELUB 533 (ca. 97%)
- \_ OMBRELUB 730 (ca. 85%)

With the additives of Münzing Chemie, Applied Chemicals can cover a variety of applications with biobased additives.

Our representatives will gladly advise you to find the most suitable product for your application.

