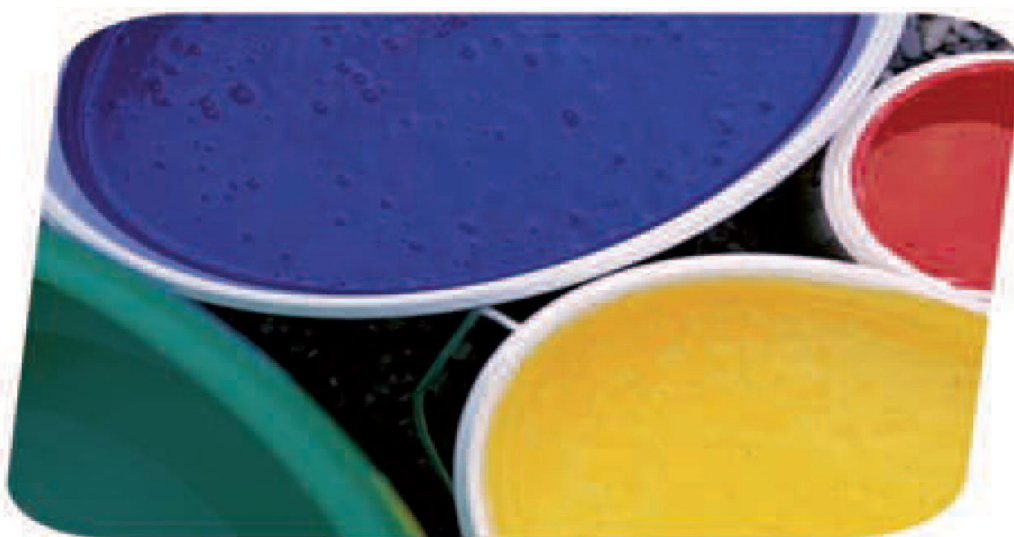


We help air to escape: ACAT employees help customers to select the most suitable defoamer

In the manufacture of their products Münzing Chemie – one of the most important producers of additives – combines tradition with innovation, top quality with ground-breaking findings and practical know-how. It is not always easy to find the right defoamer from the company's wide range of products. The ACAT professionals assist in selecting the optimum product - they test the products for you!



Münzing Chemie is one of the most important producers of additives for paints, paper industry, water treatment plants and leather industry.

The company was founded in 1989 (check the date) by Friedrich Michael Münzing as a sulphuric acid plant. But soon the production was extended with the manufacture of candles and

soaps, and not much later stearic acids followed, which have been used inter alia for the fat liquoring of leather. Finally also sulphated oils and emulsifiers for leather, textile and paper industry were produced.

Since 1960 Münzing Chemie has been producing defoamers for paints and construction chemicals for all industries named above.

To meet the requirements of the world market and the needs of customers, a research and development department was established in 1988. Since that time also thickeners, dispersants, surface additives and powder additives have been produced at Münzing Chemie.

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The competent employees of ACAT Industrial Chemicals Department are ready to assist and advise you choosing the ideal defoamer.



In 2000 the expansion to North America started with the acquisition of Ultra Additives and five years later a development and service centre in Shanghai was.

Currently Münzing Chemie has 170 employees; with about 120 working at the head-quarters in Heilbronn, Germany. In 2005 Münzing delivered 27,000 tons of chemicals worldwide. The proportion of coatings is approximately 8,500 tonnes worldwide.

The most important coating agents are Agitan

(defoamer), Agitan P (powder defoamer), DeeFo (defoamer), Tafigel (thickener), Edaplan (dispersant), Edaplan LA (surface additive), METOLAT (wetting agent), METOLAT P (powdered dispersing agent and shrinkage reducing additive) and OMBRELUB (specialties).

Many coating materials contain surface active substances to achieve certain effects; for example: emulsifiers and dispersing agents to wet and to disperse fillers, pigments or the substrate. They work like sur-

factants which means, they reduce surface tension. Unfortunately they also support the formation of foam, which has an unfavourable effect as it affects the quality of the coating material, and this often causes significant problems during production and filling.

Why is it important to choose the right defoamer?

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The so-called defoamers can prevent this undesired foam formation or at least they can reduce it severely. These materials are usually based on mineral oils, silicone oils or, more recently, on ethylene / propylene oxide copolymers. They penetrate the foam lamellae and destroy the foam from the inside.

Choosing the right defoamer is very important for the coating formulation. A wrong defoamer can fulfil its original purpose, but at the same time can cause additional problems, like fish eyes and uneven surface.

As an easy incorporation of the defoamer depends on

the medium to be defoamed, in cases of doubt the ideal defoamer can only be determined by carrying out tests.

The staff of the ACAT Industrial Chemicals Department is ready to offer assistance and advice, whenever needed.