

BK Giulini

paper solutions
always a step ahead



Surface sizing agents
PERGLUTIN

DILURIT
Biocides

Wet strength agents
GILUTON

GILUFLOC
Polyaluminium chloride



Know what's what
Reach your goal with better service

BK Giulini - your partner in the paper industry



Wet strength agents – GILUTON®

We can supply a wide range of wet strength agents for all kinds of applications such as wallpapers, laminates, packaging, filter papers and tissues. All products are low in AOX, do not require declaration and meet the recommendations of the German health and veterinary authorities. The latest development meets the requirements for low MCPD and DCP content products.

Our research and applications technology department continually improves these products in order to be able to keep pace with future advances in technology and changing customer requirements.





Aluminium compounds



Aluminium sulphate solid and liquid

Originally aluminium sulphate was only used to fix the rosin size on the surface of paper fibres. However, research has demonstrated that the use of aluminium compounds in the pH range between 4 and 8 can also reduce anionic trash and COD considerably due to the cationic charged macrostructures.

BK Giulini is the largest manufacturer of aluminium sulphates in Germany.

Sodium aluminate solid and liquid

Solid and liquid forms of sodium aluminate are used for internal sizing, for pH regulation, for stabilizing water circuits containing CaCO₃ charged waste paper, for improving retention and for backwater processing.

Aluminium formate - ALTRIFORM®

This product is used for the manufacture of chlorine- and acid-free papers and as a retention agent for laminating grades.

Polyaluminium chloride - GILUFLOC®

Gilufloc types of different concentrations and basicities are used for precipitating and fixing rosin size and for improving the filler and fines retention in the neutral range with simultaneous reduction of anionic trash.



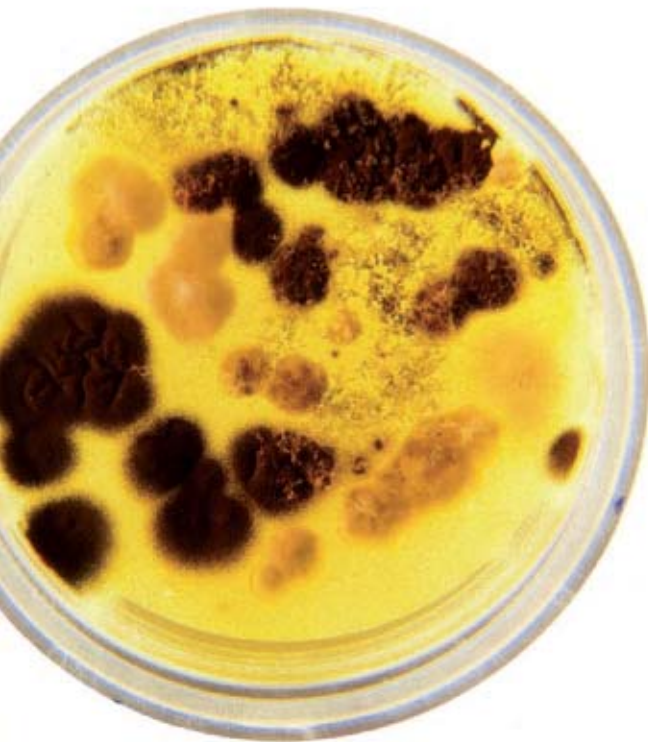
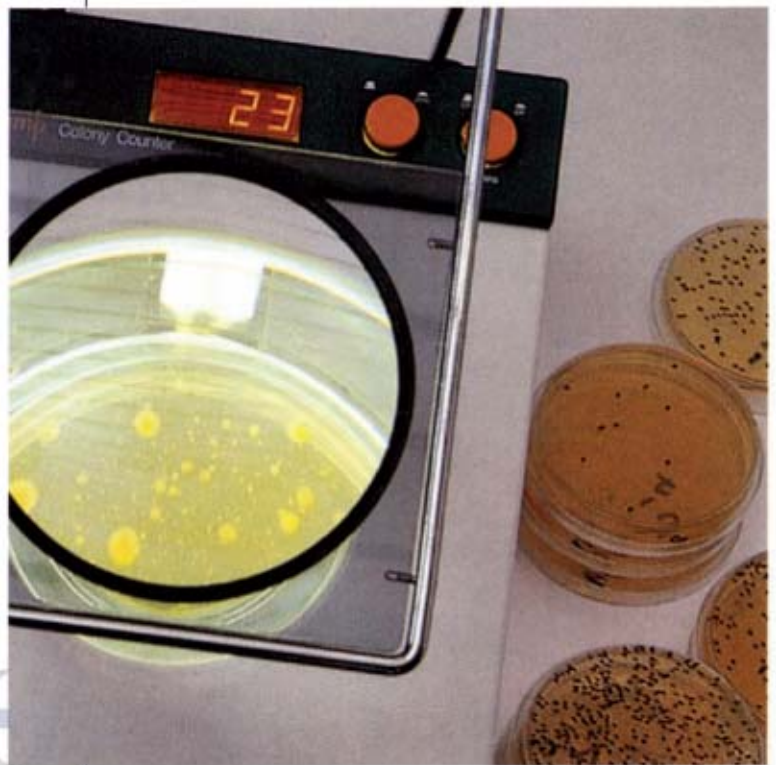
Slime control,

stock preservation and antimicrobial finishing

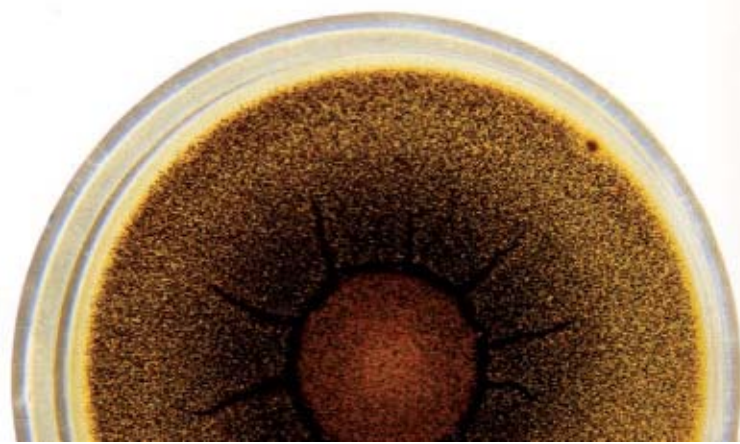
DILURIT®

Micro-organisms are a decisive interference in paper-making. Controlling them avoids web breaks, specks, holes, odour problems and product spoilage. Apart from conventional substances we offer application-oriented new developments.

Our microbiology department determines the suitability and success of application of our speciality products by tried and tested methods and also keeps an eye on environmental safety.



DILURIT®





LABUFLOC

Synthetic organic polyelectrolytes

LABUFLOC®

High molecular weight, organic polyacrylamide/polydadmec-based flocculating agents are used for

- dewatering and sludge thickening,
- improvement of retention,
- clarification of process and waste water.

A variation of molecular weight, charge character and charge density permits the manufacture of tailor-made products for specific demands.

LABUFLOC® retains fibers, fillers and fines on the machine sieve. In addition to economizing on raw materials, better sheet formation and uniform paper quality are achieved. Accelerated dewatering can reduce the energy requirement for drying and increase productivity.

The addition of LABUFLOC® to waste water makes it easier to separate off suspended solids and dissolved colloidal particles. Even the addition of very small quantities reduces the COD appreciably. Particularly good clarification is obtained in combination with our aluminium-based primary inorganic flocculating agents.

Defoamers – CONTRASPUM®

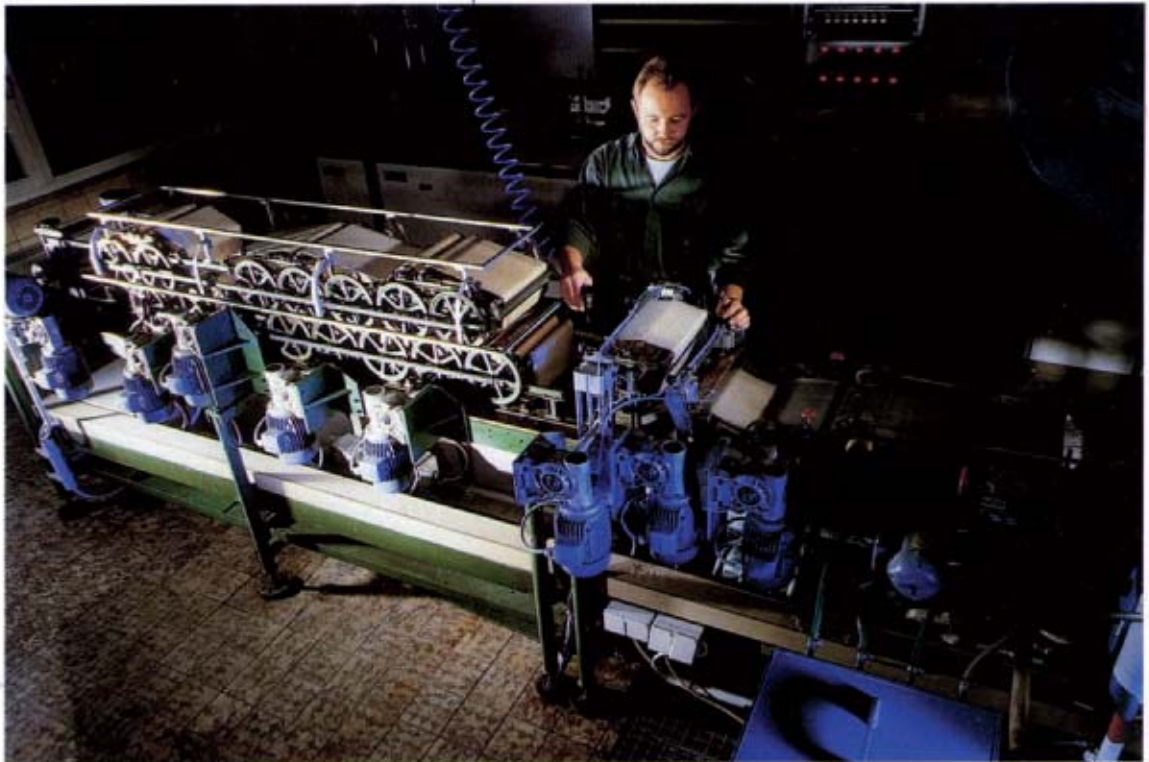
CONTRA SPUM

Defoamers are used as additives to de-aerate stock and prevent foaming in the water circulation during pulp manufacture and bleaching, in the paper machine circuits, de-inking plants, size presses and water treatment plants. The staff of our paper applications department advises our customers on the correct choice of the defoamer and on the installation of metering and storage vessels. They also carry out air content measurements.

De-inking and bleaching aids – LASTABIL®, BEKAFLEX®

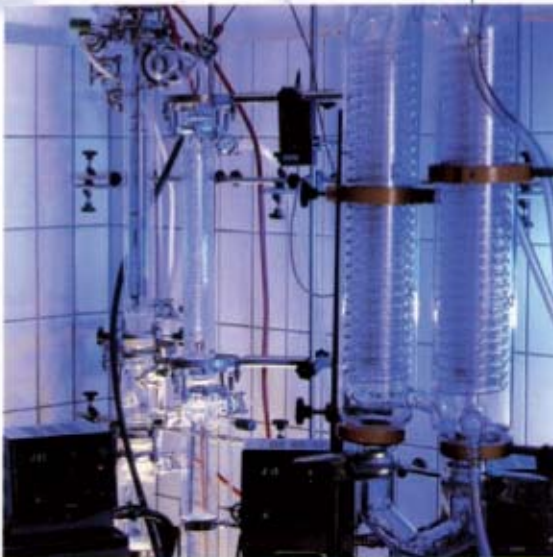
LASTABIL® and BEKAFLEX® successfully support the optimal utilization of bleaching agents. In the bleaching of mechanical pulps and also of chemi- and/or thermo-mechanical pulps and in de-inking liquors, the chelations of heavy metals inhibit the decomposition of peroxide. Higher degrees of whiteness or reduced consumption of peroxide can be achieved. The amount of waterglass added can be reduced, so that silicate deposition is avoided and the intervals between cleaning can be extended severalfold.





Surface sizing agents

PERGLUTIN®



Anionic, cationic and amphoteric products are used to strengthen the surface and to make it partially hydrophobic. They are generally applied to the surface of the paper with starch. This increases the pick resistance and improves the printability by reducing linting.

The advantages of surface sizing are

- less load on the water circuits
- less contamination of wires and felts
- good gradation of size
- ability to make rapid adjustments
- optimal exploitation of size
- cost saving by presizing the stock followed by surface sizing

PRODUCTS

Further products

Dispersing and fixing agents –

GILUFIX®

HEXATREN®

LOPON®

for fixing pigments and fillers, screen conditioning, improving rosin sizing in the neutral range; against pitch trouble and anionic trash.

Flame retardants –

PYREX®

for flame retardant finishing of special papers.

Adhesives –

SYNCOL®

for flying splicer.

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C E R T I F I C A T E

DQS GmbH

Deutsche Gesellschaft zur Zertifizierung von Managementsystemen

herby certifies that the company



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for the scope

Business Units Bekaphos,
APW, Food and PGG

has implemented and maintains a

Quality Management System.

An audit, documented in a report, has verified that this quality management system fulfills the requirements of the following standard:

DIN EN ISO 9001 : 2000

December 2000 edition

This certificate is valid until 2008-12-18

BKG



Paper Solutions

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