



lipasan® F

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**Microbial, eco-friendly, fat splitting for canteen kitchens, catering, butchers, restaurants and hotels**

lipasan®F is an eco-friendly, microbe-based product for the prevention and removal of fat deposits in wastewater drains and sewage treatment plants.

Existing fat deposits and blockages are biologically removed. Locally arising unpleasant smells are avoided and limits for lipophilic substances can easily be complied with using lipasan®F.

## 8 advantages of lipasan®F

- ✔ No fat deposits
- ✔ Protects pipes, drains and sewers
- ✔ Prevents unpleasant odours
- ✔ Eco-friendly and sustainable
- ✔ Deep action due to reproducing microbes
- ✔ Works non-stop
- ✔ Saves costs
- ✔ Easy handling

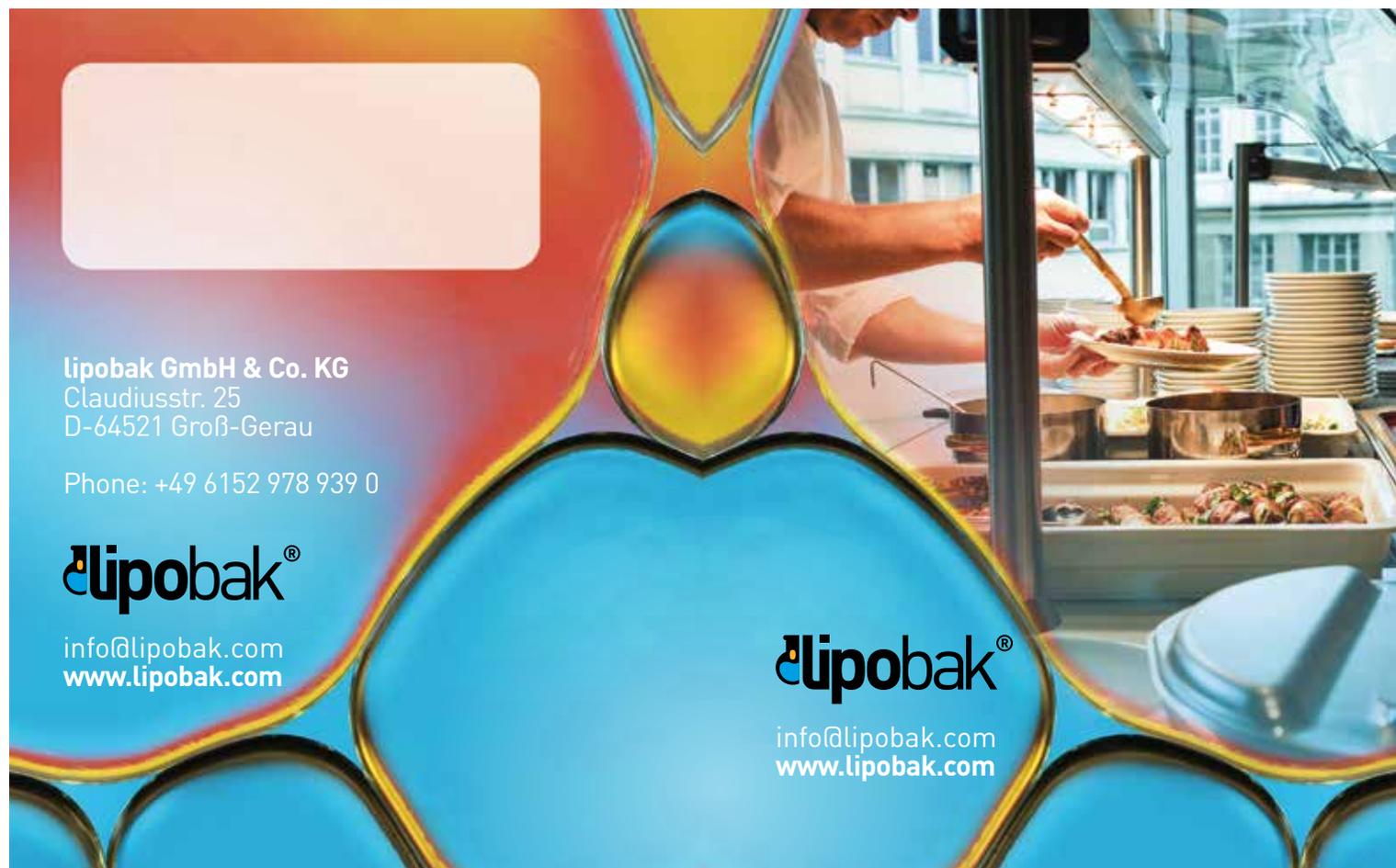
**Do you have any questions? Would you like a consultation? Or simply arrange a test run?**

**Please contact us:**  
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The **microbial**  
**fat cleavage**

The **biological**  
**solution** for  
**fat, oil and grease**

**for canteen kitchens, catering,  
butcher's shops, restaurants and hotels**



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## Your favoured solution based on microbiology

**Distinguished benefit over conventional fat solvents:**

lipasan®F does not contain synthetic surfactants causing an only transient mobilisation of

fats resulting in fat deposition on pipe-, channel- and vessel walls.

Due to their constant microbial and enzymatic activity, the microbe in lipasan®F breaks down insoluble fat, even from existing deposits. Costly mechanical or chemical cleaning of pipes is no longer needed.



Floating fat layer **before** and **after** treatment with lipasan®F



### Mode of action: natural, microbial fat cleavage

They have been selected for the targeted application in wastewater systems to **breakdown fat** into water soluble by-products which are **100% biodegradable** and -unlike grease- cannot form deposits or blockages.



### Simple application: ready-to-use component

The application of this microbial culture is very **user-friendly**. It is a component that will be delivered „**ready-to-use**“ meaning that the product can be dosed manually on site. Alternatively, lipasan®F can also be applied automatically using a proportional dosing unit.



↑ Instruction ↑

### The Dosage: 1:10 to 1:15

The suspension is diluted 1:10 to 1:15 -fold and **applied manually** before, or automatically during the idle time of the plant when drains or not used.



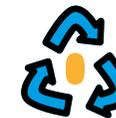
### Storage temperature

lipasan®F must be **stored** in a **dry** place at **+5° and +12 ° C** for **up to 6 months**. It can be effectively applied at **+5° and +30° C**.



### Packaging: Eco-friendly bag-in-box

lipasan®F is aseptically canned at the production site in an ideal storage and sales container, a **5 or 10l bag-in-box** which is eco-friendly due to its **low CO2-footprint** and **low waste volume**. The polyethylene can be recycled completely and the insulating cardboard box protects the bag from mechanical damage and light.



### Energy balance: environmentally neutral, resource-saving

By products formed by the action of lipasan®F are fully accessible for further biological degradation processes. Resulting oil-phases are flowable and can be extracted for further use. The **power consumption** for pumps and lifting units is **reduced** due to clean pipe walls and free flowable sewage water. lipasan®F markedly reduced the susceptibility to damage and the cleaning effort in the sewage treatment plant. Fatty acids and oils in waste water can be easily separated and utilised e.g. as a **co-substrate in biogas plants**.