

## Natural bodies of water. Natural sludge decomposition.

Lakes are living bodies of water, which change and evolve. Owing to different external influences, they sometimes also silt up unfortunately, at either a faster or slower rate depending on the environment, as a result of residues of plants, animals, waste feed, foliage, and even aggravated by surrounding agriculture, industrial operations and partially also by sewage treatment plants. In most cases, the excessive sludge prevents usage of the water, whether as fishing lakes, bathing lakes or large reservoirs.



Once the sludge has formed, it also impacts the supply of nutrients and oxygen in the water: free nutrients are stored by large amounts of sludge, increasing the risk of algal blooms. In addition, large amounts of sludge absorb high levels of oxygen, which is then no longer available to the desired healthy flora and fauna.



SchlixX Plus, our duo-active solution for aquatic sediments, is the ideal treatment for water in such a perilous state: on one hand, the oxygen it contains loosens the organic sludge and at the same time binds phosphates, which in turn reduces the risk of algal blooms. In addition, our added micro-organisms “devour” the organic sludge, eliminating the underlying basis for the problem.

SchlixX Plus can decompose the sludge to varying extents depending on the local conditions.

OASE is one of the leading specialists internationally in the creative staging of water shows in the private and public domain. Around 100,000 projects have already been completed in more than 100 countries since the company was founded in 1949, leading to the establishment of a global network of partners for planning, design and maintenance. Within our field, OASE PROFESSIONAL offers the ideal combination of fountain technology and water technology, in other words the most technically advanced custom water shows with biochemical ecological solutions for fountains, lakes and pond systems.

### WATER TECHNOLOGY



Integrated system solutions customised by a team of engineers, chemists, biologists and technicians to suit the requirements of individual customers and their projects: this is what OASE PROFESSIONAL water technology is all about. Thanks to a broad network of customer-focused partners who are well versed in the requirements of the individual markets, we ensure the excellent condition of lakes and pond systems in accordance with international water guidelines.

### FOUNTAIN TECHNOLOGY



Innovative technology “Made in Germany” from OASE can be found in some of the most spectacular fountains in the world. We develop breathtaking show fountain systems and architectural water effects globally in cooperation with our network of partners, comprising planning, design and maintenance specialists. We combine the best of sustainable and cost-saving production as well as low costs for maintenance and operation in these projects just as in each of our products. OASE is the global partner for fountain technology – everything you need from a single source.



### LAKE THERAPY – SCHLIXX PLUS

- One ton of SchlixX Plus can decompose up to 3,000m<sup>3</sup> of sludge.
- Binds phosphates and thus deprives algae of nutrients.

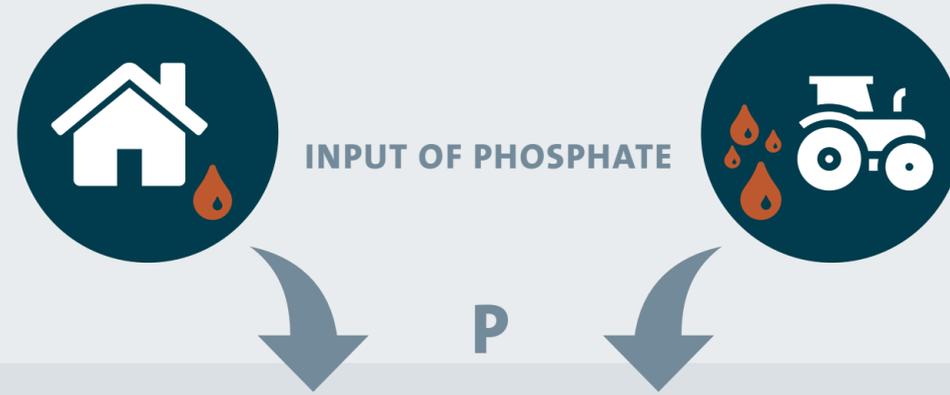
## How does SchlixX Plus do this?

SchlixX tackles the problem of excess nutrients and organic sludge at its underlying basis: in the aquatic sediment. To successfully remove the sludge, SchlixX Plus offers our duo-active solution made from two components:

**OASE PROFESSIONAL hotline**  
for more detailed information:  
**+49 (0) 5454 3383399**  
Keyword „SchlixX Plus“



## SchlixX Plus stops the sludge cycle



## Ten good reasons for using the SchlixX Plus duo-active solution:

1. One ton of SchlixX Plus can decompose up to 3,000m<sup>3</sup> of sludge depending on conditions and enables a corresponding increase in the water volume.
2. SchlixX Plus does not disrupt the water chemistry.
3. The flora and fauna in the water is not adversely affected.
4. Use of SchlixX Plus for remediation of water bodies is not harmful to humans.
5. SchlixX Plus binds excess phosphates and therefore reduces the risk of algal blooms.
6. The water does not have to be drained for remediation purposes when using SchlixX Plus.
7. Use of SchlixX Plus is significantly more favourable and sustainable than traditional methods such as dredging silted-up water bodies.
8. Remediation of water bodies using SchlixX Plus does not give rise to problems with waste, as is the case with dredging.
9. The body of water can continue to be used with virtually no interruption using SchlixX Plus for remediation. The water is only unavailable for a short time during application.
10. SchlixX Plus may also be used for cultivated ponds.

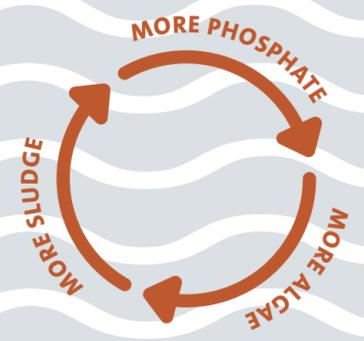
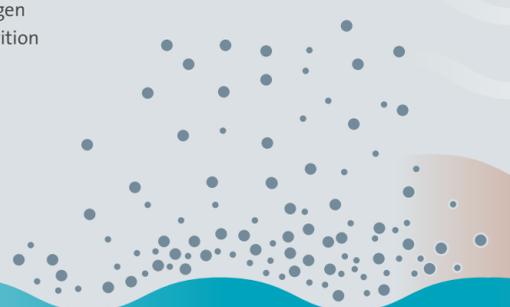


## Our duo-active solution

**Active part A** releases oxygen. It penetrates the sludge layer, loosens it and supplies it with oxygen. The organisms found here use the supply of oxygen to metabolise the organic sludge, giving rise to the harmless mineral apatite. This mineral absorbs the phosphates as the oxygen is released and can remain innocuously in the water. The oxygen is available to the sediment for up to six weeks.

**Active part B** supplies a large number of special organisms, which can “devour” nutrient-rich organic sludge. This provides a perfect habitat for the micro-organisms contained in active part B: adequate supplies of oxygen and a large source of nutrition (the organic sludge).

## SchlixX Plus



SLUDGE / ALGAE

## Analysing the water before using the SchlixX Plus duo-active solution

SchlixX Plus exclusively combats organic sludge. Or in other words: sediment or sand that enters the water through inflows is not removed by SchlixX Plus. Before using SchlixX Plus, we therefore recommend analysing the sludge to first determine the precise composition of the water bed. The sludge analysis should also indicate the decomposition capacity, which equates to up to 3,000m<sup>3</sup> of sludge for one ton of SchlixX Plus.

