

PROFESSIONAL

Oase[®]
LIVING WATER

WATER TECHNOLOGY

LAKE THERAPY

Treatment solutions for lakes and ponds.



Natural bodies of water and sludge decomposition



Lakes are living bodies of water, which change and evolve. Owing to different external influences they sometimes silt up. This can happen quickly or more slowly depending on the environment. This can be due to a build up of plant debris, animal waste and can be aggravated by local agriculture, industrial operations and occasionally by sewage treatment works. In most cases the excessive sludge prevents the lake being used as planned; whether as fishing lakes, bathing lakes or reservoirs.

Quality made in Germany

As they're used in large lakes to small ponds it's important for our customers to know our products work. Applied in a correct way, OASE WATER TECHNOLOGY products are safe for users as well as fish and superior aquatic plants. We work hard to assure a permanent quality and functionality of all our products.

Alongside our other treatment products the OASE WATER TECHNOLOGY range is made in our German water competence centre where product development, production and quality control is also located. The specially bred micro-organisms contained in some of our treatments are also produced there. This way we make sure that all treatments leave our factory in the highest possible quality.

Laboratory water analysis and tests

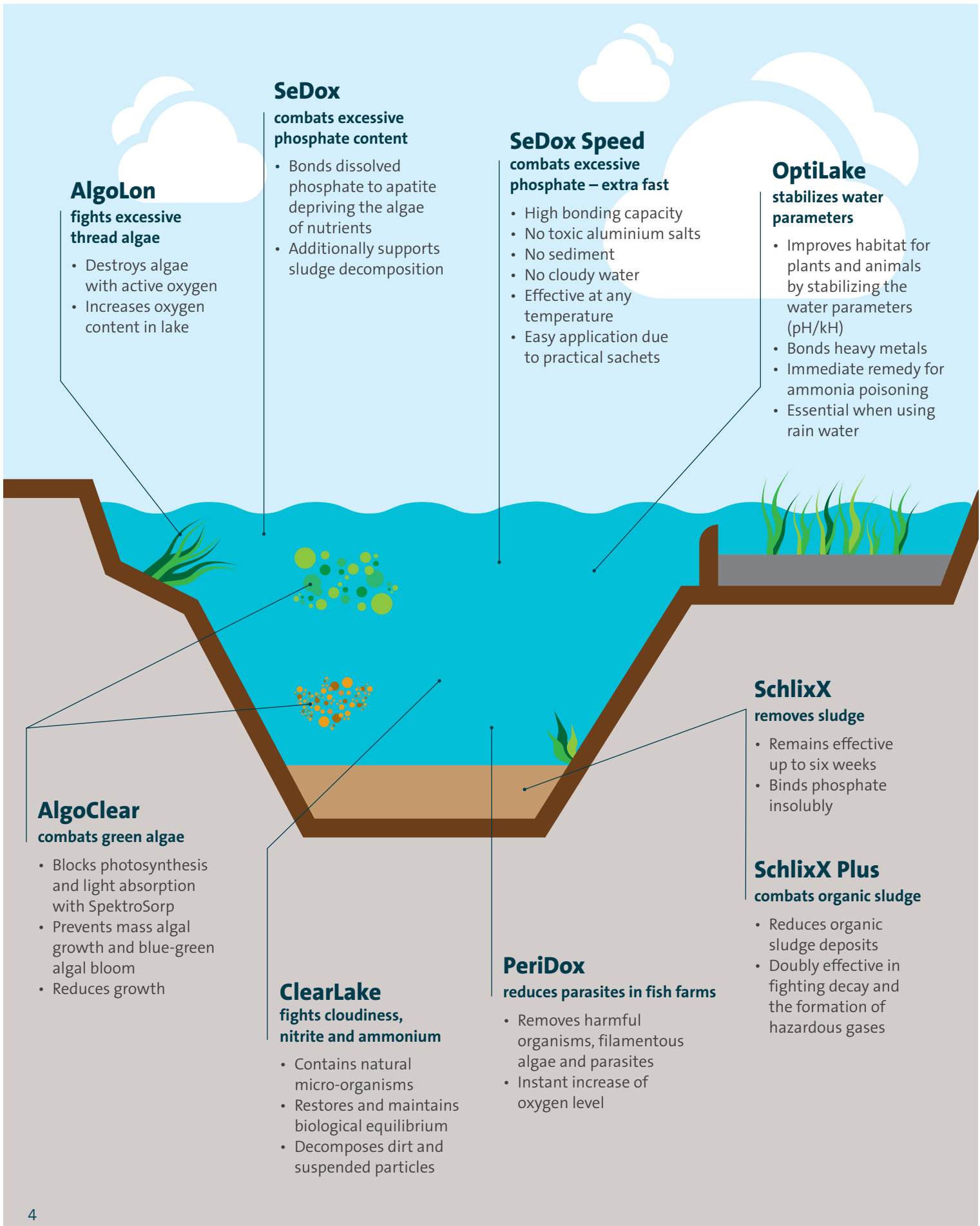


Before starting work on lakes and other bodies of water, it is useful to know the state of the water. OASE WATER TECHNOLOGY offers self-testing kits for the main water parameters. If the need for testing exact parameters arises, OASE WATER TECHNOLOGY also offers a laboratory analysis of the water. This analysis is carried out at the OASE laboratory where the OASE products are also produced.

The water analysis carried out by our laboratory measures nitrite, nitrate, ammonia, pH, carbonate hardness (KH), general hardness (gH), phosphate, total phosphate and electrical conductivity.

Part number	
76492	Water Analysis
76494	Additional Tests
76498	PH quick test
76499	KH quick test

Product range overview



AlgoLon

fights excessive thread algae

- Destroys algae with active oxygen
- Increases oxygen content in lake

SeDox

combats excessive phosphate content

- Bonds dissolved phosphate to apatite depriving the algae of nutrients
- Additionally supports sludge decomposition

SeDox Speed

combats excessive phosphate – extra fast

- High bonding capacity
- No toxic aluminium salts
- No sediment
- No cloudy water
- Effective at any temperature
- Easy application due to practical sachets

OptiLake

stabilizes water parameters

- Improves habitat for plants and animals by stabilizing the water parameters (pH/kH)
- Bonds heavy metals
- Immediate remedy for ammonia poisoning
- Essential when using rain water

AlgoClear

combats green algae

- Blocks photosynthesis and light absorption with SpektroSorp
- Prevents mass algal growth and blue-green algal bloom
- Reduces growth

ClearLake

fights cloudiness, nitrite and ammonium

- Contains natural micro-organisms
- Restores and maintains biological equilibrium
- Decomposes dirt and suspended particles

PeriDox

reduces parasites in fish farms

- Removes harmful organisms, filamentous algae and parasites
- Instant increase of oxygen level

SchlixX

removes sludge

- Remains effective up to six weeks
- Binds phosphate insolubly

SchlixX Plus

combats organic sludge

- Reduces organic sludge deposits
- Doubly effective in fighting decay and the formation of hazardous gases

Water treatment in three easy steps



1

Stabilize water parameters

Before fighting algae, sludge or excessively high nutrients, the water parameters need to be stable. Stable pH and kH parameters are important for all living organisms in the pond. Too high, too low or fluctuating values can impair or even damage the fragile ecosystem. The OASE WATER TECHNOLOGY products for stabilizing water not only adjust the pH and kH levels, they also help to buffer them. Thus making it unnecessary to treat them too often. Biological equilibrium can be achieved this way.

2

Combat algae

One of the main challenges of ponds and lakes is keeping the water in a healthy equilibrium. Most of the time, the cause of a lack of equilibrium is surplus nutrients in the water. Too high nutrient levels result in excessive algal growth. After stabilizing the main water parameters, the OASE WATER TECHNOLOGY product range offers solutions to combat nearly all kinds of algae. The anti algae products are safe to use, and do not harm other organisms in the ponds.

3

Bind excess nutrients

After combating algae the decaying algae release free nutrients. These free nutrients can become the basis for new algae to grow, often even faster than before. Therefore it is imperative to bind these free nutrients after the algae treatment. OASE WATER TECHNOLOGY offers some of the world's best nutrient binders. The nutrients are bonded in a way that means they can not be used by algae as a food source. They are able to act as a food source for desired water plants.

1

Stabilize water parameters

OptiLake

The basic pond care product

- OptiLake improves water quality and main parameters
- OptiLake supports biological self-purification of the water



Product description

Water parameters often change and become unstable due to the growth of algae or plants, increasing fish population, the water used to top up the pond with, and leaves and other debris falling into the pond. Permanently high pH-values above 8.5 and strong fluctuations in the pH-value mean stress for plants and animals. OptiLake improves the water quality, allowing ecological equilibrium to be achieved. OptiLake provides essential calcium and carbon dioxide to quickly create an ideal environment for all fish, plants and pond inhabitants. This buffer ensures a stable pH-value between 7.5 and 8.3 in the pond, and fluctuations in the pH-value are prevented.

An optimal carbon dioxide concentration together with ideal hydrogen carbonate and calcium contents are imperative to the survival of all living organisms in the pond. OptiLake also supports the growth and reproduction of algae eating micro-organisms (e.g. daphnia and rotatoria), so biological self-purification of the pond begins immediately! Optimal conditions for micro-organisms that break down toxins are created in the pond and the filters. An additional positive side effect is that OptiPond also reduces the corrosion of pipe-work and pumps.

Available product sizes

Part number	Packaging unit	Range of coverage
76500	10 kg	100 m ³
76501	25 kg	250 m ³
76502	50 kg	500 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

1

Stabilize water parameters

ClearLake

Microbiological water purification and care

- Activates and amplifies the biological self-purification process
- Removes toxins and counteracts putrefaction



Product description

ClearLake works with the application of specially bred micro-organisms that decompose and mineralize pollutants (uric acid, oil, grease and cellulose) in the water. The special combination of micro-organisms used amplifies the biological self-purification process in ponds. Biological decomposition of dead leaves and plants, fish waste, food residue and fertilizer is activated and accelerated. This way ClearLake contributes to the sustainable stability of the pond.

The use of ClearLake counteracts putrefaction and possible development of toxic gases. ClearLake promotes clear, healthy water as well as healthy development of the pond. ClearLake also helps to break down toxins (nitrite, ammonia, etc.), which improves the overall quality of life for all plant organisms. The result is natural-looking water with the ideal biological equilibrium.

Available product sizes

Part number	Packaging unit	Range of coverage
76517	5 kg	100 m ³
76518	10 kg	200 m ³
76519	25 kg	500 m ³
76520	50 kg	1,000 m ³

Storage

Store in a cool, dry place, protected from frost. Keep out of reach of children!

Additional information

All of the micro-organisms in our products comply with safety class 1 and pose no threat to humans, animals or the environment.

2

Combat algae

AlgoClear

The special formula for fighting algae

- Destroys green and blue-green algae
- Reduces further algal growth
- Prevents dangerous blue-green algal bloom



Product description

AlgoClear combats the vigorous growth and disproportionate reproduction of green algae in ponds and lakes. AlgoClear is also very efficient both in the prevention and elimination of blue algae. Vigorous reproduction of algae is a symptom of a biological imbalance. This irregularity is caused by an excessive nutrient content. As a result, substances like phosphate and nitrate, which are normally non-toxic, may eventually damage the habitat of fish and plants by promoting increased algal growth. AlgoClear does not kill algae using strong chemicals, but rather stems their growth with SpektroSorp.

This technology blocks specific UV wavelengths, preventing algae from photosynthesising. Thanks to its beneficial combination of active substances, it keeps the algae and the damaging effects of their metabolism in control, supporting the biological and chemical equilibrium of the pond.

For example, this helps to stop the high consumption of carbonate hardness and increased pH fluctuations. Regular use of AlgoClear effectively prevents the growth of new algae and establishes the preconditions for a healthy biological balance in the water.

Available product sizes

Part number	Packaging unit	Range of coverage
76513	5 L	100 m ³
76514	10 L	200 m ³
76515	50 L	1,000 m ³
76516	100 L	2,000 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

Additional information

Use algacides safely. Always read the label and product information before use!

2

Combat algae

AlgoLon

Combats thread algae

- Eradicates thread algae
- Supports the decomposition of waste products



Product description

AlgoLon quickly releases active oxygen in the water. Oxidation begins immediately, destroying the cell structure of thread algae. The dead algae can be skimmed out of the water a few hours after the product is used. Any remaining thread algae is trapped in the filter – if a filter is in use.

The slime mould living in symbiosis with the thread algae is also killed by the patented formula. Methods such as mechanical removal of thread algae is counterproductive unless the slime mould is combated.

AlgoLon decomposes and leaves no residue. It contains no heavy metals or organic biocides and does not accumulate in organisms. It is a good idea to administer SeDox or SeDox Speed after using AlgoLon. This will bond the freed phosphate which is the main cause of algal growth.

Available product sizes

Part number	Packaging unit	Range of coverage
76509	5 kg	160 m ³
76510	10 kg	320 m ³
76511	25 kg	800 m ³
76512	50 kg	1,600 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

Additional information

Use algacides safely. Always read the label and product information before use!

3

Bind excess nutrients

SeDox

Controls algae permanently by bonding phosphate

- Phosphates are insolubly bonded
- Without phosphate algal growth is limited



Product description

Abundance of nutrients is one of the biggest problems in ponds and lakes as high levels of phosphate mostly lead to excessive growth of algae.

SeDox converts phosphates, the most important nutrient for algae in water, to the insoluble mineral apatite. The apatite that is formed is not harmful to fish or other living organisms. It is absorbed as a nutrient through the roots of aquatic plants. Algae are not able to use apatite for nutrition.

The algae are deprived of the nutrient phosphate. In this way excessive algal growth is prevented. SeDox is effective for

up to six weeks, depending on the phosphate levels. During this time it reduces the phosphate content of the water to less than 0.035 mg/l, the critical factor for excessive algal growth.

SeDox also facilitates the decomposition of sludge in lakes and ponds. Since excessive algal growth speeds up the sludge building process the reduction of the algal nutrients additionally prevents of quick formation of sludge.

Available product sizes

Part number	Packaging unit	Range of coverage
76503	5 kg	100 m ³
76504	10 kg	200 m ³
76505	25 kg	500 m ³
76506	50 kg	1,000 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

3

Bind excess nutrients

SeDox Speed

Bonding very high phosphate content

- High contents of phosphates are insolubly bonded in only a few hours
- Without phosphate algal growth is limited



Product description

Some lakes contain too many free nutrients which are one of the biggest problems in lakes and ponds. SeDox Speed converts very high levels of phosphate, the most important algal nutrient, to the insoluble mineral apatite - in only a few hours. SeDox Speed is the best solution for urgent cases where quick help is needed.

The algae are deprived of the nutrient phosphate. This way excessive algal growth is prevented. SeDox Speed is effective for up to six weeks, depending on the phosphate levels.

During this time, it reduces the phosphate content of the water to less than 0.035 mg/l, the critical factor for excessive algal growth.

The apatite that is formed is not harmful to fish or other living organisms. It is absorbed as a nutrient through the roots of aquatic plants. Algae are not able to use apatite for nutrition.

Available product sizes

Part number	Packaging unit	Range of coverage
76507	4.8 kg	200 m ³
76508	9.6 kg	400 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

OASE PROFESSIONAL system solutions



The products offered in the system solutions range are designed to be used in large complex projects such as large ponds and lakes as well as in water areas with economic use like fish farming. Projects at these scales are challenging to carry out, require special equipment, expertise and endurance. To ensure high quality implementation, system solution products are only offered to OASE WATER TECHNOLOGY partners.

To become an OASE WATER TECHNOLOGY partner a potential candidate must have the same high understanding of quality as OASE. Additionally, WATER TECHNOLOGY partners need access to specialized equipment and personnel or the willingness to invest in this business area.



System Solutions

PeriDox

for hygiene in fish farms and quick provision of oxygen

- Reduces parasite pressure in fish farms
- Increases the oxygen content



Product description

PeriDox prevents gill necrosis and mucuous congestion of the skin and gills. PeriDox is very easy to handle and does not endanger the fish stock. As soon as PeriDox comes into contact with the parasites or the larvae it triggers an oxidation process destroying the cell structure of the parasites. With the recommended dosage and depending on the pond temperature, larvae that can normally survive for 33 to 48 hours are killed off in just 3 hours. However, as the adult parasites bring more larvae into the water, PeriDox should be applied three to four times.

The oxygen that is released through the oxidation process is dissolved directly in the water and thus increases the oxygen content in the water.

Low oxygen levels caused by warm weather, excess sludge or high stocking levels can become critical. In an emergency the quick application is helpful.

PeriDox can also be used to treat acute oxygen deficiency increasing dissolved oxygen content in the water again.

Available product sizes

Part number	Packaging unit	Range of coverage
76521	10 kg	320 m ³
76522	25 kg	800 m ³
76523	50 kg	1,600 m ³
76524	500 kg	16,000 m ³
76525	1,000 kg	32,000 m ³

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

Additional information

Use algacides safely. Always read the label and product information before use!

System Solutions

SchlixX

Removes sludge

- SchlixX adds oxygen to sludge, allowing for existing micro-organisms to reduce it
- SchlixX binds phosphate and thus deprives algae of nutrients



Product description

Free nutrients, mostly phosphate, are the main driver of algal bloom and the accumulation of sludge in lakes. Also the organic part of sludge stores free nutrients. By removing it, there is more water capacity in the lake as well as less chance of green and blue-green-algal bloom. SchlixX releases oxygen in the sludge which leads to two effects: Phosphate being insolubly bonded into apatite. Additionally, micro-organisms naturally present in the sludge use the oxygen to decompose the organic matter in the sludge.

SchlixX exclusively combats organic sludge. In other words: sediment such as sand that enters the water through inflows is not removed by SchlixX. Before using the product we recommend analysing the sludge to first determine the precise composition of the water bed.

Available product sizes

Part number	Packaging unit	Range of coverage
76483	10 kg	200 m ²
76485	25 kg	500 m ²
76486	50 kg	1,000 m ²
76487	500 kg	10,000 m ²

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

System Solutions

SchlixX Plus

Removes sludge by high-effective bio component

- One tonne of SchlixX Plus can decompose up to 3,000m³ of organic sludge
- SchlixX Plus binds phosphates and thus deprives algae of nutrients



Product description

Lakes are living bodies of water, which constantly change and evolve. As a result of organic residue, surrounding agriculture, industrial operations and partially also by sewage plants, lakes silt up. Once the sludge has formed, it also impacts the supply of nutrients in the water. Free nutrients are stored in large amounts of organic sludge, increasing the risk of algal blooms. SchlixX Plus is the ideal treatment for water in such a perilous state: The double effective solution works in both chemical and biological ways. First, the released oxygen promotes phosphate binding into apatite and creates the ideal environment for microbial degradation of the organic sludge.

Second, the natural micro-organisms present in the bio component accelerate the sludge decomposition, by "eating" the organic material.

Thus, SchlixX Plus exclusively combats organic sludge. In other words: sediment or sand that enter the water through inflows are not removed by SchlixX Plus. Before using the product we recommend analysing the sludge to determine the precise composition of the water bed in order to evaluate the applicability of SchlixX Plus.

Available product sizes

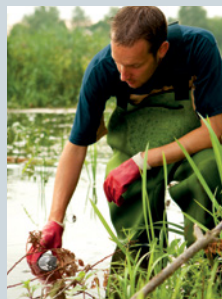
Part number	Packaging unit	Range of coverage
76488	10 kg	200 m ²
76489	25 kg	500 m ²
76490	50 kg	1,000 m ²
76491	500 kg	10,000 m ²

Storage

Please store in a cool, dry place, protected from frost. Keep out of reach of children!

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

WATER TECHNOLOGY



German Water Partnership

Solutions you can trust.

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 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 FOUNTAIN TECHNOLOGY can be found in some of the most spectacular fountains in the world. We develop breath-taking 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.

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