The SuperTab
promotes balance in ponds

- cleans system/pipelines
- reduces anaerobic bacteria, viruses and moulds
- no harmful residues
- fish more active
- prevents moulds, viruses and bacteria from developing resistance
- no impact on plant life with recommended dosage
- reduces the odour of the water/swimming water
- easy to dose
- very effective at low concentration
- affordable to use

The SuperTab is a tablet form of the oxidant chlorine dioxide (CL02) and very easy to apply. Chlorine dioxide (not to be confused with Chlorine!) is a relatively weak oxidant. Consequently it is permitted to be freely present in drinking water in certain concentrations. The same applies to ponds or basins that contain other living animals/organisms.
Chlorine dioxide is a unique oxidant and even at very low concentrations is highly effective in suppressing viruses, moulds and pathogenic bacteria. Anaerobic bacteria are unable to develop resistance to chlorine dioxide because it destroys the cell structure. Chlorine dioxide is a highly selective oxidising agent and primarily reacts with organic substances. Chlorine dioxide does not produce any harmful or other residual products. After use a very small amount of chloride (just like kitchen salt) is left over. Chlorine dioxide in low concentrations is odourless in water, unlike chlorine, for example.
The major benefit of chlorine dioxide in comparison to other oxidising agents (hydrogen peroxide, ozone and chlorine) is its low oxidation strength combined with its high oxidation capacity. Chlorine dioxide is often used for treating drinking water, processing and storing food, fruit cultivation and in the meat processing industry.

Low oxidation strength:

The more powerful the oxidant the more harmful it is to living organisms. A permanent low concentration in water therefore is not a problem, for example, for fish and other living organisms. In addition, the biological filter significantly better retains its condition when chlorine dioxide is used in comparison to other oxidising agents, precisely due to its low oxidising strength.

High oxidation capacity:

To neutralise the same quantity of contaminants with other oxidising agents requires 2.5x as much product. The concentration of chlorine dioxide needs to be only 40% in comparison to other oxidising agents in order to kill off the same quantity of anaerobic bacteria or neutralise the same quantity of organic material. Because the concentration required to achieve the same effect is only 40%, the biological environment also experiences significantly less harm.
In contrast to many other oxidising agents, chlorine dioxide also works very well at low temperatures and higher pH values. Because anaerobic bacteria (pathogens) have a very thin shell, they are killed off at very low concentrations.
Due to these properties, SuperTab is highly suitable for use in aquaculture. In actual practice the effect of chlorine dioxide becomes increasingly evident during long-term use:

- fewer bacterial problems;
- walls and pipelines that become visibly cleaner;
- fresher water odour;
- fish clearly more active.

One SuperTab is suitable for a 50,000 litre pond. Weekly dosing is recommended because the product is consumed. At this dosage, the concentration is 0.04 mg/l and the bacteria pressure is sharply reduced without having an adverse effect on the biological filter and the aquaculture in the water.
At higher concentrations (from 0.1 mg/l to 0.5 mg/l) chlorine dioxide is easily capable of sharply reducing bacterial problems experienced by fish and/or to heal such problems. According to drinking water standards a concentration of 0.4 mg/l of chlorine dioxide is permitted for drinking water.

Examples of applications:

Ponds/koi ponds with fish:

Start-up and maintenance during the season:
It is important to prevent bacteria pressure from mounting and to keep it well under control. A concentration of 0.04 mg/l in the pond is desirable as a maintenance dose. This translates into 1 SuperTab for 50,000 litres of water. If you have a 10,000 litre pond, you can dissolve 1 SuperTab in a 1 Litre jerrycan and then dose 200 ml. The solution has a 6-8 week shelf life provided that it is stored in a cool and dark place. Especially when the organic load is very high (for example, at initial product use), the dosed quantity is consumed fairly rapidly. In that case it is recommended that the pond is dosed every 2 days, 4 times in a row.
Aside from reducing the bacteria pressure, a lot of organic material disappears from walls after a longer period of use. Your pond will slowly visibly become cleaner over time.

High bacteria pressure:
If the bacteria pressure in the pond is very high, the dosage may be increased to 1 SuperTab per 20,000 litres and even
1 SuperTab per 10,000 litres. If this dosage is repeated each day for a week, the bacteria pressure declines drastically.

Ponds/swimming ponds without fish:

A higher dose between 0.08 - 0.1 mg/l is recommended for swimming ponds without fish. The product does not produce any chlorine odour and is therefore extremely well suited to strongly reduce the bacteria pressure. A layer of sludge is deposited in swimming ponds over time. As a result the bacteria pressure in the water is often irresponsibly high. High bacteria pressure in swimming water is harmful to health. At low concentrations, chlorine dioxide does not have any harmful effect on plants. The SuperTab also reduces the specific swimming pond odour: the water smells considerably fresher with the use of SuperTab.