

Please read this user information carefully

OCTOCIL

for the treatment of ornamental fish in freshwater aquaria

manaus-aquarium

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100ml flü. 2000l Aquariumwasser

Gegen Darmparasiten (Darmflagellaten wie Cryptobia, Hexamita, Spiroplasma, Trichomonas) und der damit verbundenen Lochkrankheit bei Zierfischen

OCTOCIL

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Veterinary medicine for animal (ornamental fish) treatment only.

Route of administration: solution for adding to aquarium water.

Composition of active ingredients mg per ml:
5-Nitro-1,3-thiazol-2-ylazan (Aminonitrothiazolum) 81, Rafoxanide (rafoxanidum) 0.66, Ethacridine lactate (Ethacridini lactas) 1,5.

Pharmaceutical Company:

Manaus-Aquarium, Rügenerstrasse 73, D-64319 Pfungstadt, Germany

Areas of application:

Intestinal flagellates live in an anaerobic environment (without oxygen) in the intestines of fish. **OCTOCIL** is effective in combating intestinal flagellates such as Cryptobia, Hexamita, Protoopalina, Spiroplasma, Trichomonas etc. and the ensuing formation of holes, above all in the head area of cichlids. The disease is often known as hole-in-the-head disease (e.g. hole-in-the-head disease of Discus fish) due to this fact. Heavy infestation of these intestinal parasites leads to nutrients being removed from the intestine, undernourishment and a mineral imbalance in the fish affected, which leads to the cartilage disintegrating.

Disease symptoms:

The symptoms of a disease caused by the abovementioned parasites are above all the excretion of white, slimy faeces, a dark coloration of the skin and the fish being easily startled. In general, afflicted fish stop feeding. It is important to treat the fish as soon as possible after identifying the abovementioned symptoms so

parasites is prevented. If possible, a microscopic examination should be performed to confirm the diagnosis.

Precautionary measures:

Pay attention to the water quality in your aquarium and reduce the organic pollution of the aquarium water from biological and chemical by-products by changing the water regularly. Very dirty filters should be cleaned before treatment, always keep the aquarium filter running during treatment! As with all treatments, the fish must be monitored regularly and carefully during the course of treatment in order for treatment to be broken off by a major water change should complications arise deriving from the specific set-up of the user or errors in use, which cannot be predicted.

Interaction with other medicines and other forms of interaction:

OCTOCIL should not be used in combination with other medications. If your fish have been treated with another medication beforehand then a major water change (at least 80%) must be undertaken before treatment. During treatment, UV lamps must always be turned off and oxidators removed (hydrogen peroxide). Whilst treating the aquarium with **OCTOCIL** no active filter agents (e.g.: activated carbon, phosphate remover, etc.) may be used in the filter in order to prevent reactions with bonded contaminants. Ion-exchangers (e.g. for removing nitrates, etc.) must be removed from the water circulation system of the aquarium during treatment with **OCTOCIL**.

Dosage and application:

During treatment, the aquarium's filter must be switched on and a good circulation of the water in the tank must be ensured through air stones and let the filter outlet provide optimal movement of the

that any further weakening of the fish by the water surface so that the medication can be optimally distributed throughout the aquarium. It is important that you give the right dose of **OCTOCIL**, to do this you need to know the precise size of your aquarium. For a rectangular tank the following applies:

$$\frac{\text{height(cm)} \times \text{width(cm)} \times \text{depth(cm)}}{1000} = \text{litre}$$

If your aquarium is of a special design (e.g. polygon, domed panes of glass, stones reduce the volume, etc.), find out the cubic capacity of your aquarium from the manufacturer. The size of the tank being treated should not be greater than 1000 litres in volume. The water temperature should not exceed 29°C. To administer **OCTOCIL** use the enclosed measuring cup and distribute the medication on the surface of the water. Then mix the aquarium water up thoroughly by stirring with the medication. The dosage is:

1 ml to 20 litres of aquarium water

The treatment is complete on the 6th day and a major water change of at least 60% of the aquarium water must take place.

As a rule, a growing improvement sets in 2 to 3 days after the start of treatment. Now it is important for the success of the treatment to get the fish to feed again so that the gastro-intestinal tract of the sick fish gets moving again. Through the intake of food in treated water, **OCTOCIL** will get to the pathogens even better. Provide your fish with their favourite food. Even in the days following the completed treatment the symptoms can still disappear. In rare cases, the aquarium water can become cloudy during the days it is being treated with **OCTOCIL**. This is due to a proliferation of bacteria in the water and the associated depletion of oxygen. In these cases treatment is to be broken off with a major water change where 80% of the water is changed.

As a rule, after 3 – 4 days of treatment, the fish have built up a sufficient level of the medication's active ingredients for the treatment to be successful. In stubborn cases, the treatment can be repeated after a week's break from the treatment. Before a fresh course of treatment, 80% of the water in the aquarium needs to be changed.

After conclusion of successful treatment with **OCTOCIL**, the manaus-aquarium product **DIPLORAL** should be added to the aquarium water for several weeks. When breeding ornamental fish, it makes sense to treat new additions and parent fish before setting them to spawn in the breeding tank. Fry can likewise be treated with **OCTOCIL**. When rearing parasite-free juvenile fish, the highest of hygiene standards should be maintained to prevent re-infections by infected fish and affected aquariums! As with all medications, one should not exceed the recommended dose with **OCTOCIL**. Fish weakened by disease may react more sensitively.

Contraindications and side-effects:

OCTOCIL is a new product and has good tolerability in most types of fish. **OCTOCIL** has variable degrees of success with cartilaginous fish (chondrichthyes) e.g.: freshwater stingrays, and, for this reason, it should not be used when these fish are involved as a precaution. There are no known side effects. The aquarium keeper is encouraged to inform a veterinary surgeon or pharmacist and the manufacturer of any so far unknown side effect.

Target Species:

Ornamental Fish. For animal treatment only. Do not use on animals intended for consumption.

Storage instructions and Disposal advice:

Keep out of reach of children! Store in the original packaging and protect from light and heat, also store in a frost-free location. The medication must not be used after the expiry date. **OCTOCIL** may stain if spilt. Irritates the eyes. If it comes into contact with the eyes, rinse the eyes for several minutes under running water. Shelf life after the immediate packaging has been opened for the first time: 12 months. Wash away product remainders with plenty of water. Dispose completely empty packaging in the household refuse.

Before using, please note that we provide the latest information on our product **OCTOCIL** and updated pack inserts for downloading on the internet sites www.octocil.de and www.manaus-aquarium.de on the use of **OCTOCIL**.

This veterinary medicine is marketed in accordance with Schedule 6 of the Veterinary Medicines Regulations - Exemptions for small pet animals. Authorization number: 2115-FG.

Packaging: 100 ml for 2000 litres / 439 UK gallons. Also available in 300 ml and 500 ml.

Revision date: September 2015