

## Technical Reference Sheet for PondCare® Melafix®

### Purpose And Benefits:

PondCare Melafix is an all-natural medication derived from the leaves of "Melaleuca", the scientific name for the Tea Tree. Melafix has powerful antibacterial properties that treat the wound and promote rapid tissue healing. Healing and tissue regeneration in koi and goldfish can usually be seen in the first four days of treatment.

Disease-causing organisms are present in all ponds. Any time a physical abrasion damages fish tissue, bacterial and fungal pathogens seize the opportunity to infect the fish. Shipping, netting, and poor water quality also weaken the fish's immune system, permitting disease problems to occur. Skin and fin abrasions are an unavoidable part of fish keeping. Therefore the potential for disease problems occur with every new fish arrival, whether it is at the hatchery, fish wholesaler, pond shop, or in the pond.

External bacterial infections cause a variety of symptoms including split and ragged fins. In extreme cases the fins erode back to the body. Melafix promotes regrowth of damaged fin rays and tissue. In test cases where fish had lost all tail and dorsal fins, Melafix completely restored both fins to their original condition. The fish's eyes may become coated with a whitish slime or protrude from the head. Bacterial infections cause hazy, slimy patches to develop on the body. These patches may develop into red ulcers. "Mouth Fungus" caused by *Flavobacterium* (formerly *Flexibacter*), causes mouth tissue to deteriorate. Melafix heals the wound and restores damaged tissue.

### Directions For Use:

Shake well before using. Remove activated carbon and turn off UV and ozone-producing units during treatment period.

For recent wounds, fin damage, and infection: add one teaspoonful (5 ml) of Melafix for every 50 U.S. gallons (190 L) or ¼ cupful (60 ml) for every 600 U.S. gallons (2,280 L) of pond water. Repeat dose daily for seven days. Treatment may be continued if necessary.

When treating an advanced or chronic infection: add two teaspoonful (10 ml) of Melafix for every 50 U.S. gallons (190 L) or ¼ cupful (60 ml) for every 300 U.S. gallons (1,140 L) of pond water. Repeat dose daily for seven days. Treatment may be continued if necessary.

When adding new fish to the pond, or when netting and handling fish: add one teaspoonful (5 ml) of Melafix for every 50 U.S. gallons (190 L) or ¼ cupful (60 ml) for every 600 U.S. gallons (2,280 L) of pond water.

### Compatibility:

Melafix can be used with any PondCare water conditioning products including Stress Coat, Ammo-Lock, and Chlorine and Heavy Metal Neutralizer. Melafix does not interfere with water quality test kits. Melafix can be used with pond salt and formalin-based anti-parasitic treatments. Melafix can be used in ornamental ponds, water gardens, aquariums, and fish holding tanks containing goldfish, koi, live plants, snails, tadpoles and frogs. A slight foaming at the water surface may occur during treatment with Melafix. When exposed to elevated temperatures, Melafix may turn cloudy in the bottle. This is normal and will not affect the activity of the product.

### Sizes Available:

176A - 8 oz. (240 ml) treats up to 2,400 U.S. gallons (9,084 L/ 2,000 UK Imp. Gal)

176B - 16 oz. (480 ml) treats up to 4,800 U.S. gallons (18,168 L/ 4,000 UK Imp. Gal) 176C - 64 oz (1/2 gallon/ 1.9 L) treats up to 19,000 U.S. Gallons (71,915 L/15,820 UK Imp. Gal)

### Last Revised:

12/19/2005

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