

## Technical Reference Sheet for PondCare® Stress Coat®

### Purpose And Benefits:

Stress Coat is a water conditioner suitable for water gardens and ponds containing fish and plants. Stress Coat contains Aloe Vera, which acts as a liquid bandage, to protect and heal damaged fish tissue. Goldfish and koi secrete a mucoprotein protective slime coating that covers the scales and skin. This slime coat acts as a defense against invasion by bacterial, parasitic and fungal pathogens. Essential electrolytes necessary for osmoregulation are lost through breaks that may occur in the skin and slime coat, causing dangerous stress. Open wounds and abrasions caused by handling, netting, and breeding behavior are readily attacked by disease organisms, resulting in further stress and disease. Stress Coat forms a synthetic slime coating on the skin of fish, replacing the natural slime coat and easing stress.

Stress Coat instantly removes chlorine and heavy metals such as copper and zinc from tap water. Stress Coat also removes chloramines by breaking the chlorine-ammonia bond. The effectiveness of Stress Coat with Aloe Vera has been proven by independent studies conducted at the University of Georgia, School of Veterinary Medicine.

Researchers found that Stress Coat helped heal wounds and speed tissue regrowth. Dr John Gratzek summarizes the results:

"Personally, I am satisfied with the results since my initial thoughts were skeptical to say the least. These definite statements can be made without equivocation: Stress Coat in no way harms aquarium fish, alters pH, or affects the biological filter. No ammonia or nitrite was detected in the test aquariums. The results indicated that the Stress Coat formula reduced the wound size compared to untreated fish tissue." Aloe Vera is high in mucopolysaccharides, an essential component of many tissues and believed to help in the healing process. The glycoproteins Aloctin A and Aloctin B are also present and identified as the probable tissue-healers.

### Directions For Use:

Each dose of Stress Coat removes 3.0 ppm chlorine and 0.6 ppm heavy metals.

To protect fish and condition water:

Add two tablespoonfuls (30 ml) for every 60 U.S. gallons (227 L) of pond water.

To remove chlorine and heavy metals and neutralize chloramines:

Add one tablespoonful (15 ml) for every 60 U.S. gallons (227 L) of tap water.

For tropical fish use only. Do not use on fish intended for human consumption.

### Compatibility:

Stress Coat can be used for all pond fish, such as koi and goldfish. Stress Coat will not harm aquatic plants. Stress Coat will not interfere with water testing.

### Sizes Available:

#140A - 8oz (240 ml) bottle. Treats 960 US gallons (3,634 L)

#140B - 16oz (480 ml) bottle. Treats 1,920 US gallons (7,267 L)

#140D - 64oz (1.9 L) bottle. Treats 37,800 U.S gallons (7,680 L)

#140C - 1US gallon (3.78 L) bottle. Treats 15,360 US gallons (58,138 L)

### Last Revised:

12/19/2005

Copyright © 2007-2010