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PRODUCT DATA SHEET

TRIFON

Disease Treatment

PRODUCT DESCRIPTION

Kordon's TRIFON is a trichlorfon organophosphate compound useful for the control of multicellular invertebrate parasites attached to or embedded in marine and freshwater fishes (including pond fishes such as goldfish and koi). TRIFON contains an inert carrier chemical for safer and easier dispensing. TRIFON will treat diseases caused by multicellular parasites, such as *Gyrodactylus*, *Dactylogyrus*, *Neobenedenia* (flukes), *Argulus* (fish lice), *Lernaea* (anchorworm) and leeches. Secondary invading bacterial and fungal infections in the wounds caused by these parasites are common in the host. A follow up treatment with a suitable antibiotic for bacteria and a fungicide for fungi should be considered.

CAUTIONS: Trichlorfon is more stable and effective in acidic water (pH below 7.0). As the pH rises above 7.0, the instability increases. Trichlorfon is unstable in alkaline conditions, and destabilizes quickly in marine environments. TRIFON is toxic to invertebrates, especially crustaceans (shrimp, crabs, lobsters) and mollusks (snails and nudibranchs). Remove all invertebrates from the aquarium or pond prior to treatment. TRIFON should be used with caution when treating freshwater angelfish and discus, which tend to be sensitive to treatment when the temperatures are high and the water is acidic.

TREATMENT PROCEDURES AND DOSAGE : TRIFON can be used at active ingredient concentrations of 0.25 to 0.75 mg/L. For a starting point, use one (1) level teaspoon of TRIFON for every 20 gallons of water for a concentration of 0.25 mg/L. Note: exact dosage required depends on environmental conditions (mainly temperature, pH and salinity) and history of previous use. The higher the temperature the lower the dosage required.

When treating fishes with TRIFON, the best method utilizes a quarantine or "hospital" tank that uses no gravel or other substrate. Despite the instability of trichlorfon in marine systems, it is an effective treatment against trematode worms such as skin flukes (*Dermopitheius* spp) and marine copepod parasites. Trichlorfon is the most common remedy used for the elimination of sea lice. Trichlorfon should never be used in water in which human divers will be present, such as large exhibition tanks.

TRIFON can be added directly to aquariums or ponds utilizing biological filtration, and it will not interfere in the nitrification process. Treat fish once per week. Make a partial water change (25-50%), and re-treat for a series of 3-4 treatments.

CONTAINS : 0.86% (2,2,2-trichloro-1-hydroxyethyl)-phosphoric acid, dimethyl ester (trichlorfon) by weight.

ACCIDENTAL CONTACT: Take care not to get TRIFON on your skin or clothing. In case of accidental contact, immediately wash TRIFON off with soap and water. Sodium hydroxide (Na OH) at a pH of 11 will destroy trichlorfon.

ACCIDENTAL INGESTION : If swallowed call a physician or Poison Control Center (1-800-876-4766). Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of Ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. In case of contact immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention. The active ingredient is a powerful cholinesterase inhibitor. To physician: Atropine sulfate is antidotal. 2-PAM is also antidotal and can be administered in conjunction with atropine.

TRIFON IS INTENDED FOR AQUARIUM AND ORNAMENTAL POND USE ONLY. NOT FOR MEDICAL OR FOOD FISH USE