



CHLOR-T

Fish processing plants

INTRODUCTION

Aquaculture requires strict hygiene rules to prevent diseases resulting in fish welfare problems and heavy economical damages. Very effective against fish and shrimp pathogenic microorganisms, it has proven already for many years to be an indispensable product in any aquaculture operation, from the nursery and growing tanks to the fish processing plant. The safety margin between the concentration effective against microorganisms and the one toxic for fish makes **CHLOR-T** of special interest in aquaculture. Well known applications of **CHLOR-T** include use against pathogenic bacteria, such as the ones responsible for Bacterial Gill Disease (BGD) or external columnaris. **CHLOR-T** is also useful against many parasites related to the aquaculture industry, for example the Gyrodactylus and Neoparamoeba pemaquidensis (Amoebic Gill Disease) parasites. Aquaculture needs a universal and versatile disinfectant in order to ensure the best health and hygiene status. Disinfection with **CHLOR-T** of tanks and ponds, nets, equipment, well boats and in the fish processing industry ensures that pathogenic microorganisms (bacteria, viruses and parasites) are rapidly and effectively destroyed.

COMPOSITION

Sodium p-toluenesulfon chloramide

APPLICATION

APPLICATION	CONCENTRATION
• Tank and pond disinfection	1% - 2%
• Equipment disinfection	1%
• Net disinfection	1%
• Well boat disinfection	1%-2%
• Footbath	2%
• Water treatment (Fresh water raceway ponds)	10-20 mg for 1 hr
• Water treatment (Stagnant water ponds)	3 ppm once a week

DIRECTION OF USE

GENERAL DISINFECTION

Always remember that cleaning is a required preliminary step before disinfection to ensure the best results. Without proper cleaning, dirt and organic matter protect microorganisms from the disinfectant, resulting in an incomplete operation. Start by dry cleaning to remove most of the organic matter, followed by cleaning either with water or a detergent solution. Once this is done, disinfect with **CHLOR-T**. **CHLOR-T** is always applied as a water solution: simply dissolve the **CHLOR-T** powder into clean water at the required concentration.

TANK DISINFECTION

Its major importance to thoroughly clean and disinfect the tanks and ponds when they are empty to avoid contamination of the next production lot. Start by cleaning to remove the organic matter and then disinfect by spraying or rinsing with a 1% **CHLOR-T** solution (or with a 2% in case of contamination with resistant microorganisms).



EQUIPMENT DISINFECTION

All equipment used in an aquaculture farm should be sprayed with a 0.5-1% **CHLOR-T** solution (or with a 2% in case of contamination with resistant microorganisms) or dipped into a similar solution for 30 min.

NET DISINFECTION

Aquaculture nets should not only be cleaned between each production cycles but also disinfected. A 1-2% **CHLOR-T** solution should be used for net disinfection, with a contact time of 30 min.

VEHICLE DISINFECTION

Vehicles are an important way of disease transmission from farm to farm. Make sure all vehicles are well disinfected (not only the wheels) with a 1% **CHLORO-T** solution prior entrance to the farm. Equipment used for fish transports or that has been in contact with infected fish should be dried, frozen or disinfected (e.g. in 1% **CHLOR-T**).

STAGNANT FRESH WATER PONDS

CHLORO-T should be added at a concentration of 3 ppm (3 g/m³) once a week. Water pH and hardness are two important parameters to consider in order to optimize the **CHLOR-T** concentration. As a general rule, with acidic pH, a lower concentration should be used and with increasing water hardness, a higher **CHLOR-T** concentration is recommended. Also if using a biofilter to purify recirculated water, special attention must be taken.

FISH EGG DISINFECTION

To reduce surface contamination, fish eggs can be dipped in a 1 g/l **CHLOR-T** solution for 10 min followed by a clean water wash.