



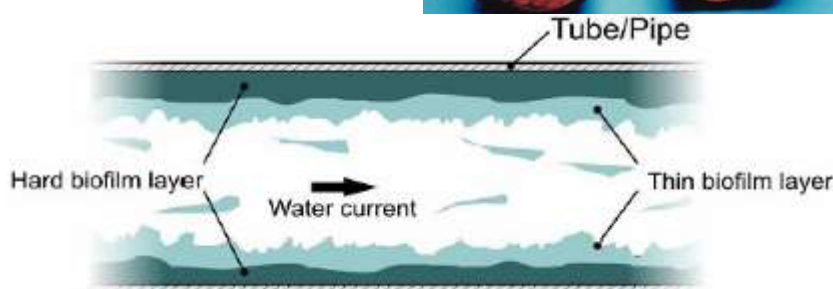
## Information Sheet - DI-O-CLEAN® 0.35% solution

**MS Di-O-Clean, a revolution in water treatment!**

- **Disinfect drinking water and water line systems with no harmful effects on animals**
- **Removal of biofilm and organic matter**
- **Removal of tastes and odours from water to increase water intake**
- **Removal of iron and manganese scale and contamination**
- **Is non-corrosive to pipework, vessels and equipment**
- **Works over a wide pH range (4 – 10)**
- **Has 10 times more oxidation power than chlorine**



Chlorine Dioxide is now accepted as the most effective and the all-round most desirable product for water disinfection. It is an oxidising agent several times more powerful than free chlorine, sodium hypochlorite or hydrogen peroxide. It is totally different to chlorine and chlorine-related products and it is much more soluble in many compounds making it an excellent biofilm and scale remover without the negative tastes and by-products of chlorine.



DI-O-CLEAN® is a unique, patented method of generating chlorine dioxide that cannot be compared to the traditional methods for generation of chlorine dioxide or to stabilized chlorine dioxide. DI-O-CLEAN® does not generate by-products (unlike traditional chlorine dioxide, stabilized chlorine dioxide and chlorine products), is not explosive and has a long kinetic half-life (see table below).

DI-O-CLEAN® is a unique, advanced delivery system for 99.9% pure chlorine dioxide in a 0.35% (minimum) solution and is applied as a (drinking) water disinfectant. Approved by *AzureQuality New Zealand* as a disinfectant for drinking water, potable process water for food preparation and surface sanitizer.

It has no effect whatsoever on the environment or the livestock drinking treated water.

DI-O-CLEAN® is easy and safe to handle provided that basic precautions are taken, and simple to apply (with standard available dosing equipment and without a reactor or the need for electricity).

### **PRACTICAL BENEFITS FOR LIVESTOCK FARMERS**

**Dairy** – Elevated bacterial counts and Iron and Manganese scale complexes with biofilm can cause reduced water intake leading to reduced milk yield. Somatic Cell Count in milk can be influenced by the level of immune system activation in the lactating cow and by water being a source of environmental mastitis organisms to the animal. Di-O-Clean is the practical solution to eliminate water quality problems and ensure that milking shed water is free of bacteria and that Iron and Manganese scale and biofilm are removed, an important component of keeping total bacterial count in milk low. Di-O-Clean is an all-in-one solution for these problems.

**Poultry** – chlorine dioxide is vastly superior to chlorine for use in water systems in poultry production for sterilization of drinking water and total protection against biofilm build-up in water systems (an easily overlooked source of reduced animal performance and entry route of disease organisms).

**Pigs** – Poor water quality and biofilm in water systems causes reduced performance and increased risk of scour in piglets, weaners and growers. Di-O-Clean removes biofilm and mineral scale and disinfects drinking water.

**Other Uses** – Contaminants such as biofilm, iron and manganese scale, algae, protozoa, virus, molds etc are removed from water systems without corroding the pipework (as occurs with other removers of mineral scale and stabilized chlorine dioxide). Di-O-Clean is used in horticulture, vineyards, greenhouse irrigation systems, cooling towers, heat exchangers, display fountains, water features, food processing, ice manufacturing, potable water processing and many other industries worldwide.

*Di-O-Clean is safe for you and the environment.*