



*Because Water Matters*

## Disinfection

Disinfection is a process of cleaning a surface with a chemical agent in order to destroy any bacteria which may be harmful. We disinfect to destroy microorganisms that are harmful living objects. Disinfection materials and procedures are used in a wide variety of ways. Growths of living organisms caused by bacteria do not like Oxygen and cannot flourish in an oxygen-rich environment. HydroCor (OB50) is a powerful disinfectant that is extremely effective, in part, because of its high oxygen levels. Our HydroCor (OB50) oxidizing agent is much more powerful than most people realize. Immediately upon application, a large amount of dissolved oxygen is released, creating a powerful oxidizing effect. An added advantage is that it can be used at higher PPM without worrying about chemical residuals, since it simply breaks down to Hydrogen, Oxygen and Water, unlike other harsh chemicals. Free radicals of oxygen are the only remaining factors when using our stabilized product, making HydroCor a very helpful 'tool' for disinfection. We disinfect to prevent potential problems; however, it is our belief that we do not disinfect enough. If we did, we would not have as many issues as we do. In agriculture, we have many factors that contribute to bacterial growth and the potential of being infected in some way. The problem of not knowing until it is too late is very concerning and has bottom line implications.

Farmer in seasonal areas, sometimes only get one chance to combat an infestation, so disinfection can make a great deal of sense, no matter what you are doing. Disinfection is also critical in water; many diseases are transferred through water that was not disinfected properly. Bacteria can spread quickly, causing the affected person to develop issues rapidly. Protection and prevention are critical and we can help by using HydroCor (OB50) for microbial growth in water purification, plumbing, packing-houses, air quality and directly on equipment and drinkers. We have been disinfecting products and equipment effectively for a very long time and have had many successful results over the years.



HydroCor (OB50) is a unique water treatment & purification system that has been for many years. Our "Premium Quality" Product is not only stabilized to give it better efficacy, it also has a proprietary formulation and is custom-made to fit your water needs. Our product helps disinfect and keep your plumbing clean and unplugged. With the addition of our stabilizer you will see long-lasting efficacy, and protection for your pipes against corrosion. It also helps bind and tie up contaminants, while softening your water up to 25%.

Water disinfection means the removal and killing of microorganisms that are pathogenic and terminate their ability to flourish and multiply. We also have a way of sterilizing and cleaning out any organic build-up in your plumbing prior to disinfection. Our process of sterilization is helpful in saving you money and time. Sterilization happens rapidly because of the strong application process we use. Disinfecting also removes organic contaminants from the water.

Observations above are from operations around the world, based on their own unique results and experiences. All issues are different; every environment is different; every operation is different; and of course, every issue needs to be handled differently. We cannot guarantee you will see any specific result listed above; many factors contribute to disinfected surfaces and water.

Note: This is not a "magic bullet" solution. Our customized formulation, procedures, and protocol depend on many factors, and available exclusively to our customers.

*If this makes sense to you, please give us a call; we would love to have you as a customer.*

**CLEAN ~ CLEAR ~ NUTRITIONAL WATER IS OUR PASSION!**

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*Caution: There are many kinds of problems that need to be solved by disinfection. Use caution and double check that you are accomplishing your goal.*

# HYDR COR

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## **Building Blocks of Water (& Life!)**

**H<sub>2</sub>O = 2 molecules of Hydrogen + 1 molecule of Oxygen**

### **Hydrogen:**

Hydrogen makes up 90% of the matter in the known Universe. Without hydrogen to combine with oxygen, we wouldn't have water. Water is formed when hydrogen is burned by oxygen. We create pure water every day as a product of our metabolism. When we burn hydrogen in our cells, the energy that is released is used to run our bodies.

Oxygen burns hydrogen in the living system, releasing the energy that runs our bodies. **Hydrogen is "the fuel of life"** and is essential to most biological processes in its atomic form, including hydrating our cells. In the absence of an adequate supply of hydrogen, intracellular function, inter-cellular communication and energy production are inhibited; toxins and free radicals accumulate and health deteriorates."

### **Oxygen:**

Oxygen acts as a disinfectant, deodorizer, sanitizer & preserver. All functions of our body are regulated by oxygen. It must be replaced on a moment to moment basis because 90% of our life energy depends on it.

Oxygen energizes cells so they can regenerate. Our body uses oxygen to metabolize food and to eliminate toxins and waste through oxidation. Our brain needs oxygen each second to process information. In fact, all of our organs need a great deal of oxygen to function efficiently. The ability to think, feel, move, eat, sleep and even talk all depends on energy generated from oxygen. **Oxygen is 'the Life-Giver'**

Oxygen is the only element capable of combining with almost every other element to form the essential components necessary to build and maintain our bodies. The combination of oxygen in the air, water, proteins and carbohydrates creates life energy. **Without oxygen there would be no life**

### **Water - the 'Ocean of Life'**

All chemical reactions in the body take place in water. Every cell in the body is bathed in water, which contains materials to keep them vibrant.

Water is the transporter of nutrients and **oxygen** for proper function of the body's tissues; it helps remove waste from the body; it acts as a natural air conditioner through perspiration; it's essential for digestion and absorption of vitamins and minerals. Water keeps our skin moist and supple, and is a natural lubricant for our joints and internal organs. It is involved in every one of our bodily functions, so it's hardly surprising that dehydration can lead to mental and physical breakdown. Over the course of an average day, the body loses approximately three quarts of water through breathing, perspiration and elimination. This fluid must be replaced or muscle cramping, dehydration, or heat stroke may take place.

The growing pollution in our modern day world is having an increasingly detrimental effect on our drinking water, and consequently on overall health. Hazardous chemicals like mercury, lead, arsenic, cyanide, aluminum, phosphorus, and pharmaceuticals are getting into the water system every day, along with chlorine and fluoride, added by municipalities to treat water. E-coli, total coliforms, iron, lead, manganese, nitrates, nitrites, sodium, sulphates, and total dissolved solids, further add to the load of toxins that our bodies try to eliminate.

**Without water to carry oxygen and other vital nutrients, life could not exist**

