



Cedar Water Tech

Cedar Restore

Poultry Disinfectant Processes



POULTRY INDUSTRY

CEDAR RESTORE TECHNICAL BULLETIN



OVERVIEW:

Diseases and infections have always been a major concern to the poultry industry--especially in the hatchery.



Microorganisms are everywhere! Some are relatively harmless while others are highly pathogenic. Some pose a lethal threat to one species of animal while remaining harmless to another species. Some organisms are easily destroyed while others are very difficult to eliminate. The moral is: Treat all microorganisms as if they are a severe threat to the chick's livelihood.



Most hatchery personnel have the impression that they are approaching a sterile condition because they use disinfectants when "disinfecting" the facilities. In fact, they may only achieve a sanitized condition at the very best. The most important consideration to remember when striving for a sanitized hatchery is that cleanliness is essential.



Proper cleaning of facilities removes the vast majority of all organisms and must be used before application of disinfectants. This applies to all areas within the hatchery including floors, walls, setters, hatchers, trays, chick processing equipment, air and personnel. The success of a hatchery sanitation program is limited only by its weakest link.

It is important when selecting the best disinfectant to consider its effect upon the developing embryo and the hatchery environment. Embryos are in a very sensitive stage of development when the eggs enter the hatchery. They can be severely affected if subjected to chemical vapours, even if a sterile environment is provided.

CLEANING AND DISINFECTANT INITIATIVE:



Understanding the terms used to describe microbial control is important when selecting the appropriate action for eliminating disease causing organisms. Three terms commonly used but often misunderstood are sterilization, disinfection, and sanitation.

- *Sterilization* - The destruction of all infective and reproductive forms of all microorganisms (bacteria, fungi, virus, etc.).
- *Disinfection* - The destruction of all vegetative forms of microorganisms.
- *Sanitation* - The reduction of pathogenic organism numbers to a level at which they do not pose a disease threat to their host.





The inevitable scientific proof needs to be gratefully recognized that a potent healthy and environmental friendly water disinfection development does exist with the most unique disinfection, sanitation and sterilization characteristics. It has no equal as a world first green technology with unprecedented results as substantiated by the most reputable Research Institutions including the endorsement of the Department of Health in a number of countries as safe for human consumption.

THE PRODUCT:



Cedar Restore is a free flowing granular, highly soluble in water containing no chlorine or any halogen based product including bromine, iodine or any other conventional chemicals. It's a proprietary blend of various inorganic persulphate salts; natural anti-microbial substance composed of a combination of food approved natural amino acids salts, monosodium L-glutamate complexes and a human friendly algaecide, coagulant, flocculant mixture with unique characteristics for disinfection of highly contaminated water. It is much more safer than chlorine in the destruction of spores, bacteria, viruses, fungi and other pathogen organisms and also destroys phenols of which certain strains are immune to chlorine. Cedar Restore does not create THM's (Trihalomethanes) HAA's (Haloacetic acid) or other disinfection by-products (DBP's), and is not affected by photo-decomposition, temperature and aeration. For the treatment of drinking water, the primary products from the reduction of Cedar Restore are oxygen and water making it one of the safest disinfectants. It has a long residual life span ensuring clean fresh water continuously with excellent coagulation and flocculation properties turning high turbidity water in clean/clear potable quality.



PROPERTIES:

- Odourless
- Fast dissolving with rapid disinfection traits
- A powerful oxidizer and sanitizer
- Excellent flocculation characteristics not based on conventional developments.
- Oxygen based (containing no chlorine)
- Un-effected by UV degradation
- No fatal THM's, HAA's, MX, DCA's will be produced
- Environmentally friendly
- Safe, harmless, tasteless and non-toxic

