



DIOXSIL

An Innovation Beyond Boundaries



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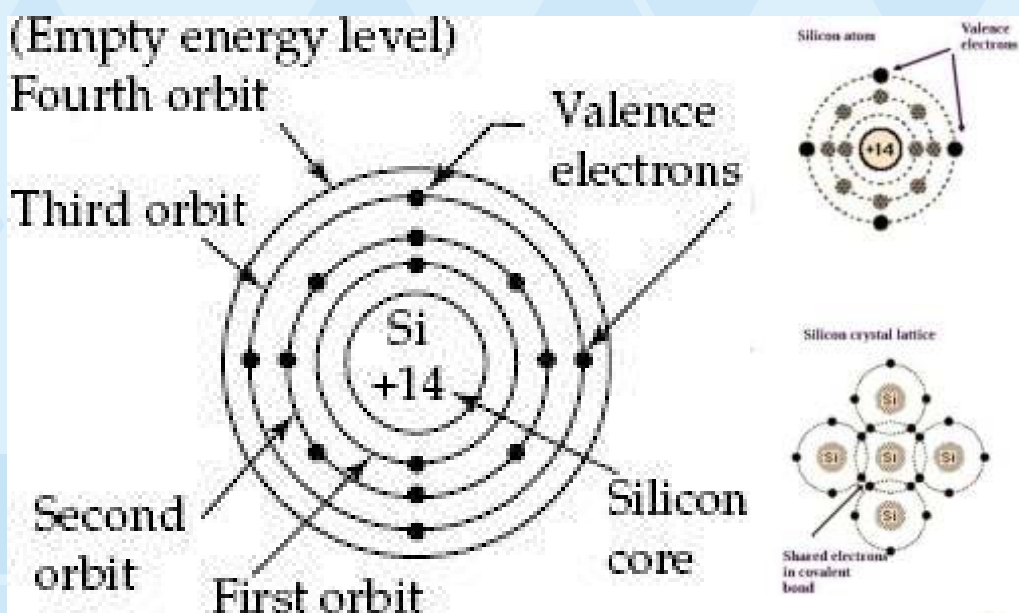
An Innovation Beyond Boundaries

Improving the feed digestibility, growth performance and global health status of the animal while reducing feed costs has always remained an interesting challenge for the industry nutritionists and have constantly offered innovative ways to respond to these demands.

Primary strategy of diversification of protein intake with food sources sometimes less digestible, compensated by the addition of enzymes or highly digestible protein concentrate amongst others in addition to certain feed additives like prebiotics, probiotics and yeasts have certainly allowed better nutrient availability.

Silicon is a well-known feed additive and its beneficial use is well recognized as an anticaking agent and mycotoxin binder, by scientists worldwide. Silicon has excellent semi conduction properties due to its crystal lattice structure & acts as an excellent energy transfer element with wide applications including computers, solar batteries and animal feed. Silicon is also a very important element in Photosynthesis in plant.

DIOXSIL is an active nano-silicone activated product, energized through proprietary quantum chemical process, which transfers electron from one orbit to another and increases ion exchange & electromagnetic properties of elemental silicon.



The specific signal emitted by the mineral is capable of stimulating the water molecules in the intestine and to provide free electrons necessary in enhancing the rate of all kinds of biochemical reactions. This is known as resonance effect. The digestion, absorption and assimilation of the nutrients occur in an aqueous medium hence water molecules also play a vital role in all the enzymatic reactions which take place during the digestive processes.

This enables to affect the rate of all biochemical reactions involved in the process of digestion by modifying the properties of water using different electromagnetic signals.

*Studies have shown that electromagnetic fields have an effect on water structure and influence biological function.

*Professor Luc Montagnier - a Nobel Prize recipient, recently discovered that the DNA of bacteria emitted electromagnetic signals when exposed to ambient electromagnetic backgrounds. This signal can be registered and transferred to water where in contact with nucleotides and enzymes, are able to reconstruct the same DNA.

Ref: International Poultry Production – Volume 23 Number 8

DioxSIL is based upon quantum mechanics of biology and is capable of enhancing the rate of various important biochemical reactions, nutrient and ionic transportation across the gut epithelial cell membrane, by stimulating the molecular water in the intestine with synchronized delivery of electromagnetic energy

How Study of Quantum Physics is Important in Biology & specifically for Biochemistry:

In biology we know things from macro perspectives like for a body, stomach and intestine act as a power generators by a process of digestion & assimilation, but at micro level or cellular level mitochondria does the same job.

Things which happen at a quantum level are replicated at macro level and if things are fine-tuned at quantum level then automatically things will be fine at Organ level.

Today we know digestion and assimilation process at macro level – the role of enzymes, gastric juices, acids, probiotics and prebiotics at macro level.

Study of Quantum Physics + Biology enable us to understand how free electrons and protons/magnetic waves of minerals & other nutrients interact mutually and also the effect of interactions at quantum level.

FEATURES

- 100% natural mineral source
- Finely micronized crystalline powder
- Enables transfer of nutrients through electromagnetic energy
- Chemical free, livestock and environment friendly
- Not absorbed from gut; no withdrawal periods

FUNCTIONS

- Restores biological homeostasis
- Promotes biochemical processes such as digestion, absorption, assimilation, metabolism
- Stimulates enzymatic reaction
- Synergizes with feed additives and supplements
- Promotes aerobic degradation of undigested proteins

BENEFITS

- Improves digestibility of protein and feed efficiency
- Increases action of antibiotics, enzymes & acidifiers
- Enhances dissolved oxygen content in water
- Increases average daily gain and final weight
- Reduces production of ammonia & other odorous gases
- Improves global health status & reduces oxidative stress

Broilers and Laying hens are particularly sensitive to the quality of food, water and litter, which are a potential source of bacterial infection and may lead to a slowdown in the growth

FOR IMPROVED PERFORMANCE

DioxSIL naturally improves poultry growth performance and offers potential to:



In Broilers:-

- Increase final weight up to 4%
- Reduce mortality up to 12%
- Increase average daily weight gain (ADWG) up to 3%
- Improve feed efficiency ratio (FCR) up to 2.5%

In Laying Hens:-

- Significant reduction in disease incidence
- Improve quality of litter
- Reduce incidence of fly nuisance
- Improve feed efficiency ratio up to 5.8%

FOR HEALTHIER ENVIRONMENT

DioxSIL naturally reduces ammonia in litter by:

- Decreasing pH in litter to promote healthier environment
- Increasing ammonium concentration by upto 25% in finisher phase

By decreasing pH in litter, DIOXSIL makes the amount of litter nitrogen needed for soil fertilization (NH₄⁺) more available while decreasing NH₃ emission, reducing proliferation of pathogen bacteria and footpad diseases.

AN INNOVATIVE ECOLOGICAL SOLUTION FOR BETTER FARM HEALTH

Why DioxSIL?

Most of the silicates used in animal nutrition are amorphous materials capable of various functions such as absorbents of moisture and odor, flow agents and mycotoxin binders.

DioxSIL is different from the conventional silicates due to its purity of silicon dioxide with its ability to retain and transfer electromagnetic energy and potentiated and optimized with polyphenols and tanins

DIOXSIL should be used as a base production livestock feed since it affects not just a specific function of the animal but helps improve overall utilization of feed and potentiates the effectiveness of other additives.

FEATURED BENEFITS OF DIOXSIL

- Improves digestion, absorption, assimilation & metabolism of proteins and other nutrients in the feed
- Improves efficiency of additives like AGPs & NAGPs
- Improves efficiency of enzymes and other nutritionals
- Promotes gain in average daily weight
- Reduces ammonia emission and health condition of the animals
- Limits the degradation of Litter

Free From Hormones & Antibiotics

RECOMMENDATIONS FOR USAGE - FOR BROILERS & LAYERS

- DioxSIL is recommended to be mixed in poultry feed @ 300 grams to 450 grams per ton of feed, based upon the specific farm requirement.
- DioxSIL must be mixed in homogenous manner in the feed. It is recommended to mix 300 grams of DioxSIL to 4 to 5 kg of premix prior to mixing in the feed. The pre-mix when mixed in actual feed will ensure a proper uniform mixing

USAGE SUGGESTIONS:

- The total concentration of acidifiers mixed in the feed should be reduced by 50%
- For better results use H2O2 instead of chlorine in the drinking water. If chlorine is used then reduce the dosage to 50% and if neither is used, that is also good

PRECAUTIONS:

1. Do not inhale dust
2. Wear mask & glasses while using the product
3. In case of contact with eyes and skin, rinse properly with clean water and in case of inhalation, consult the doctor

PRESENTATION: 5 Kg HD Aluminium Pouch & 20 Kg Paper Bag with Outer Lining

Poultry Feed Supplement

Not For Medicinal Use

Not For Human Use

Catalyst LifeSciences Pvt. Ltd.

An ISO 9001:2015, ISO 14001:2015, HACCP Compliance Certified Company

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DISPOSAL OF BAD AND OUTER PACKAGE: Do not contaminate water, food or feed by storage and disposal. Completely empty container into application equipment. Triple rinse pail and offer for recycling or reconditioning. Containers can also be disposed of in a sanitary landfill or by incineration, or in accordance with guidance from your local waste regulation authority, such as by burning (if burned, stay out of smoke). When applying this product to water bodies, avoid solid particles from falling on nearby ground where birds and feed may be present.