

# Insectosec® (DE) Powder



The Insectosec® range contains silicium dioxide otherwise known as diatomaceous earth (DE) or amorphous silica. This natural powder can control insects by acting on the outer layer of the cuticle of any insect it contacts. Their outer, protective waxy coating is disrupted and the insect dies.

The powder contains the fossilized remains of tiny, aquatic organisms called diatoms. Their skeletons are made of a natural substance called silica. Over a long period of time, diatoms accumulated in the sediment of rivers, streams, lakes, and oceans. Today, silica deposits are mined from these areas.

Silica is very common in nature and makes up 26% of the earth's crust by weight. Various forms of silica include sand, emerald, quartz, feldspar, mica, clay, asbestos, and glass. Silicon, a component of silica, does not exist naturally in its pure form. It usually reacts with oxygen and water to form silicium or silicon dioxide. Silicium dioxide has two naturally occurring forms: crystalline and amorphous. Most diatomaceous earth is made of the amorphous form but there can also be very low levels of crystalline silicon dioxide.

**Insectosec is uniquely presented in four different pack sizes:**



200 Puffer Pack



500ml Aerosol



1 Litre Trigger Spray

15Kg Paper Sack

## Directions for use

Insectosec Powder is effective against larval stages of many insects and the adults of crawling insects such as ants, silverfish, woodlice, cockroaches, fleas, ticks, earwigs, carpet beetles, spider beetles, booklice, bedbugs, stored product species including beetles and weevils.

The powder can be dispensed direct from the 200g container, or transferred to special dust application equipment, or scattered using a scoop or spatula.



To use the aerosol, first shake can several times. Remove the white plastic cap. to reveal the general spray nozzle which can be used as a general surface spray. Apply the powder until a fine covering is present on the surface. Apply 30-50 g/m<sup>2</sup> in voids or hiding places or 5 – 10 g/m to provide a barrier 0.2cm high and 1-5cm wide. Do not over apply. Some liquid residue may be seen from the aerosol; this is the propellant which will dry to leave a white deposit. For targeted applications use the straw nozzle to penetrate fine cracks.

The water-based trigger spray formula will dry to leave a fine white powder.

All products are best used in less visible areas where a white deposit is not an issue. The powder will remain dry and effective for very long periods and so can be applied where long term protection may be desirable such as under heavy furniture that is infrequently moved.

Optimal results will be achieved when treatment areas are dried before application.

Apply in such a way as to maximise potential for contact between the product and the target pest. In certain premises/situations this may involve moving products, drying out the area or otherwise making changes to the harbourage to increase contact with the pest.

The Insectosec range can be used in both domestic and commercial premises.

## Historyonics Social and Environmental Commitment

We are committed to ensuring our business delivers societal benefits in improving the internal and external environments in which we live and work. We equally encourage our clients to consider carefully which products are purchased, how they are used and ultimately disposed. Please order only what you need and ensure that products and packaging materials are recycled or reused where possible. Contact [info@historyonics.com](mailto:info@historyonics.com) should you require more information.

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