

Smart Solutions for prevention of Malaria and Dengue

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ABSTRACT

Smart Innovation is a company that produces nanoparticles. One of the major innovations of the Si technology is its possible application in different materials, products and industries, providing added value to the industries. This is the core business of Smart Innovation. Amongst its innovative products, the Si Repel Mosquito is the best preventive unique solution against extremely deadly diseases such as Malaria, Dengue, Yellow Fever, Chikungunya and many others. Altogether, these diseases kill more than 3 million people and infect more than 4 million every year, resulting into a global expenditure of \$US 6 billion/year [1]. When applied in various products such as textiles, paints and varnishes, ceramics and others (such as Mosquito Nets and Curtains, artificial grass) this product produces a repel effect which results into a maximum protection with the highest proven efficacy rates. As a proven example, in textiles (clothing, work clothes, school uniforms, socks and others): 91% (50 washes), 84% (80 washes) and 75% (100 washes); in paints and varnishes (Schools — Buildings — Prisons — Barracks — Pool Decks — Houses — Garbage sites — stalls): 90% to 99% with a repellent effect up to 4 years. Amongst many other advantages, the following ones do stand out: high durability, easy application, safe for human(*), nontoxic and biocompatible, ecofriendly, repellent (not insecticide); on top of these, the Si Repel Mosquito provides maximum benefits at reduced costs and with a high efficiency. (*) Rigorous tests of skin sensibility were carried out by Inovapotek, Pharmaceutical Research and Development.

References

- [1] World Health Organization