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Algamaris Sunscreen Products

The Director of Laboratory & Regulatory Affairs, Patricia Berthomieu and Researcher, Colin McReynolds certify that Alga Maris sunscreen products contain more than 99% of natural origin ingredients, principally of vegetable origin and biodegradable: natural emulsifiers, oils, vegetable butters and waxes. They do not contain the chemical filters that have been shown to adversely affect coral growth.

The active ingredients are titanium dioxide and zinc oxide, which are coated in vegetable waxes and non-nano. A certain number of studies have been carried out to evaluate the toxicity of these mineral particles on aquatic organisms. Numerous studies show no toxicity on the viability of the organisms studied. Some studies do show toxicity, however the concentrations used were not representative of existing environmental conditions. Moreover, toxicity has been inversely correlated to particle size and observed mainly for non-coated particles. Once in an aquatic environment, the particles have different outcomes: zinc oxide tends to aggregate, then slowly dissolve, whereas titanium dioxide tends to sediment (it is a natural part of sand worldwide). As such, sunscreens containing mineral filters are consistently recommended in sensitive marine environments, from Hawaii, to Xel-Ha in Mexico, and on the Great Barrier Reef of Australia.

Sincerely,

Patricia Berthomieu
Director of Laboratory
& Regulatory Affaires

Colin McReynolds
Research & Development