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**REEF SAFE™ FORMULAS PROVEN NON-TOXIC TO CORALS BY WORLD  
RENOWNED MOTE MARINE LABORATORY**

Coral reefs have been under stress from multiple factors over the last 3 decades. Efforts have been made to identify the threats and lower the impacts. One such area of concern that has been debated recently is over the effects of sunscreen actives like Oxybenzone and Octinoxate on the health of corals. Various tests have shown conflicting results.

The experiment tested Reef Safe sunscreen formulations with and without these ingredients at **30 times** the quantity expected in real world conditions.

Before starting the experiment each coral fragment was visually inspected to assess for health to be compared to completion of the experiment in 20 Days. Corals were visually assessed using a coral health method established by the Florida Fish and Wildlife Conservation Commission (FWC).

**At the end of the 20 day experiment, there was No bleaching, No stress, No mortalities and No significant difference observed at any level of exposure of test fragments relative to controls.**

In fact this testing protocol was designed to simulate conditions found at coral reef sites impacted by large volumes of bathers and divers wearing Reef Safe™ formulated sunscreen and constantly re-applying before going into the water.

**According to the Mote Marine report there was less than a 0.05% difference in the coral's health during the entire 20 day experiment.**

The test condition simulated normal sunscreen applications to a surface and did not use any solvents or dispersants to force the products into artificial solution.

Mote Marine found this was also the case for comparison to the basic sun screen formulations without Oxybenzone, indicating no mortality effects from any of the other ingredients in the Reef Safe formulations in the tested concentrations, including up to 30 times real world conditions..

Previous studies reported high concentrations of oxybenzone in the US Virgin & Hawaiian Islands. These studies have blown the subject way out of proportion and does NOT apply to Reef safe.

## **About Tropical Seas / Reef Safe™ Sunscreens**

TROPICAL SEAS, INC. manufacturer of Reef Safe “ Is Your Sun Protection Factory ”  
Dan Knorr, owner & founder has been an innovator in the sunscreen industry since 1978. In 1983 he created Baby Faces for Hawaiian Tropic, the first sunscreen higher than an SPF 15 in the world. Dan started Tropical Seas in 1988.

In 1991 Tropical Seas manufactured 10.2 million bottles of sunscreen for Desert Storm Troops and Tropical Seas continues supplying the D.O.D. today. In 2008 Tropical Seas purchased Native Tan®, one of the original Daytona Beach Sun Care companies to further diversify their brands and distribution.

**So whatever your customer’s formula preference Tropical Seas has them covered:**  
**Reef Safe** Original UVB protection SPF: Proven Non-toxic to coral & sealife.  
**Reef Safe** Higher UVA protection SPF: Proven Non-toxic to coral & sealife.  
**Reef Safe** Oxybenzone Free SPF: Proven Non-toxic to coral & sealife.  
**Land Shark** Mineral Based SPF: New state of the art mineral based sunscreen that applies transparent, with 02 Renew Anti-Aging Technology !  
**Native Tan** Polynesian Island Formulas

**We invite you to stop by and try our newest products including**

**Reef Safe Oxybenzone Free & Land Shark™**

**Show Specials are available at Booth #1056**

**IT'S NOT ABOUT THE INGREDIENTS -**

**IT'S ABOUT HOW THE INGREDIENTS ARE PROCESSED**

**Stop by our booth #1056 and checkout our sedimentation experiment live or at**  
<http://www.tropicalseas.com/pages/fact-vs-fiction-sediment-comparison-test> .

**As always our Mermaids will be on site to answer your questions !**

For more information on Reef Safe SunCare visit [www.tropicalseas.com](http://www.tropicalseas.com), or  
[www.reefsafesuncare.com](http://www.reefsafesuncare.com). Follow Reef Safe SunCare on [Facebook](#), [Twitter](#), [Instagram](#) and  
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