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# SHARKTEC PRODUCT GUIDE

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## 1. WHAT IS AN EXAMPLE USE-CASE OF SHARKTEC'S REPELLENT SPRAY?

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SharkTec's product is intended to be sprayed in the water when there is a shark in the vicinity and when the person feels threatened enough to use the product to force the shark to flee. It is well documented that sharks will engage in exploratory behavior such as circling, splashing water, bumping, slapping with tail, etc before making a decision on whether to attack for food or for out of fear. This is more than enough time for an individual to deploy a SharkTec canister, which will cause the shark(s) to flee in seconds.

## 2. WHAT IS THE SHARK REPELLENT MADE OF?

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SharkTec's shark repellent spray is composed of 100% natural, biodegradable materials. The usage of the product does not harm sharks or wildlife and is safe for the environment. Extensive studies have shown that the repellent does not affect fish and it has been noted that fish display no reaction when swimming through the area in which the repellent has been dispersed.

## 3. HOW LONG DOES THE SPRAY STAY EFFECTIVE IN THE OCEAN FOR?

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Once our product is released into the water, a FLIGHT reaction is triggered in sharks that can clear a quarter mile safe zone for 30-45 minutes depending on currents and wind.

## 4. WHAT IS THE SHELF LIFE OF THE SPRAY?

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The shelf life of the product is 3 years, mostly due to the can being slightly pressurized. However, be aware that the canister and valve are comprised of aluminum and will therefore corrode (rust) after prolonged exposure to the marine environment. To prevent corrosion, rinse the canister with fresh water and dry thoroughly.

## 5. HOW PORTABLE IS SHARKTEC'S PRODUCT?

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We offer a 1.5oz canister that is 4 inches in height and 3 inches in circumference, which fits easily in the palm of your hand. So you could easily attach a strap and put it on your wrist, wetsuit, gearbag, BCD, or anywhere else.



## 6. WHAT IS THE SUGGESTED WAY TO TAKE CARE OF THE PRODUCT?

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The can is aluminum (meaning it will rust). This is intentional to lessen the environmental impact as SharkTec takes environmental responsibility seriously. Be sure to rinse the can with fresh water after being exposed in the ocean. Do not store in direct sunlight or temperatures higher than 80 degrees Fahrenheit for prolonged periods.

## 7. WHAT IS THE MAXIMUM DEPTH AND PRODUCT COMPOSITE DETAILS?

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The repellent is 75ml of a proprietary semiochemical composite of Lamniform and Carcarhiform. The propellant contains dry Nitrogen (150psig/10atm). The can is an aluminum one piece, DOT 2P with a white enamel coating. The can passes the 113°F water-bath test for mechanical integrity.

- Ejection time: 60 seconds or less
- Depth rating: 0-60 feet / 0-13 meters

## 8. WHAT ARE THE DIRECTIONS FOR PROPER USE OF THE SHARK REPELLENT?

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1. Hold the can with the nozzle facing “right side up”, away from your body and others. It is best to aim the nozzle at the water.
2. Remove the safety pin and firmly press the grey trigger at the top of the can until it latches and repellent begins to spray out.
3. Hold the can vertically with the trigger facing upwards. Firmly press the plastic trigger with your thumb to eject all contents. Move the can around you as the contents eject to create a temporary cloud of repellent. Surface immediately and return to safety.
4. Produce a repellent cloud around you or your fish. However, the canister does not need to be continually held in emergency situations. The chemical will travel with the current. Do not activate the trigger unless the can is submerged. Do not use on land.
5. The semiochemical requires, on average, 30 seconds after initial contact to repel requiem sharks.

## 9. CAN THE SHARK REPELLENT BE SPRAYED ON A PERSON PRIOR TO SWIMMING?

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No, the product is not meant to be used this way as the product does not smell great if released above water. You release the chemical under the water (in which the smell then becomes nearly odorless) as the Sharks have a keen sense of smell.

## 10. WHO ARE SHARKTEC'S SCIENTIFIC PARTNERS?

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SharkTec is partnered with SharkDefense Technologies LLC who is the leading researcher of chemical shark repellents. Co-founders Dr. Eric M. Stroud and Dr. Patrick Rice of SharkDefense Technologies has over 10 years of research and testing on shark repellents.

The results of the field tests by the SharkDefense team were first presented in 2004 at the Joint Meeting of Ichthyologists and Herpetologists from May 26 – 31 in Norman, OK. Additionally, Results have since been featured on BBC's – "Oceans" segment as well as Discovery Channel's 2013 SharkWeek.

Visit the following webpage for more information on the science and research behind our product:  
<http://www.sharktecdefense.com/pages/shark-repelling-science>

