

NuTone Haven FAQs

What is the active ingredient?

The active ingredient in the NuTone Haven Backyard Lighting & Mosquito Repellent System is Metofluthrin. Metofluthrin and NuTone Haven are both registered products with the United States Environmental Protection Agency (US EPA). **Metofluthrin is an effective mosquito repellent that has undergone extensive toxicology testing and evaluation and it has been accepted for consumer use by the US EPA.**

- ✓ Metofluthrin has been used in mosquito repellent products in the United States since 2009, including products such as OFF!® Clip-On™ Mosquito Repellent and OFF!® Mosquito Lamp I*
- ✓ Metofluthrin has also been used as a residential insect control ingredient for a decade, and today it is used on six continents. It is a registered pesticide in many countries including Canada, Australia, Japan, Korea, Mexico, and Brazil, and in the U.S. it is registered for residential applications for both indoor and outdoor use.
- ✓ Metofluthrin is manufactured by [Sumitomo Chemical Company Limited](#), one of the world's largest chemical manufacturers. Metofluthrin is distributed in the US by [MGK](#). Founded in 1902, MGK sells insect control products into the consumer and professional pest control markets. MGK holds over 350 product registrations with the U.S. EPA for insect control products and sells its products in dozens of countries.

The NuTone Haven product label and directions for use include all of the EPA-required information regarding cautionary statements and warnings.

What should I do if I come into contact with the repellent liquid?

Caution: Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

I don't want the system running when I am not home. Is there a clock that can be used to set specific dates / times (weekends)?

You may use the Haven Dual Timer/Controller which enables both Lighting and Repellent systems to be controlled separately, either manually or automatically by time of day or by solar sensor. The Haven Dual Timer/Controller does not distinguish between weekdays and weekends however. Also, some transformers have clocks built in to control devices that are connected to them. There are also accessory clocks available that can be used to operate a transformer.

If NuTone Haven is being added to existing landscape lighting, how does one know if the existing power supply can handle the increased load of the NuTone Haven fixtures?

The total power supply wattage must be greater than the combined load of all fixtures on the system.

* (OFF!®, OFF!® Clip-On™, and OFF!® Mosquito Lamp®, are registered trademarks of SC Johnson and Son, Inc.)

Does the Haven light fixture have light bulbs that need to be changed? How bright are they?

No, Haven light fixtures have integrated LEDs with a life expectancy of 30,000 hours, or about 10 years if used 8 hours per day. They provide 40 lumens at a color temperature of 2900 Kelvin.

How long does the repellent system need to be on before it is effective?

15 Minutes

How do I know the Haven repellent system is working?

Each Haven fixture has a small, green LED power indicator to let you know when the repellent system is operating. On the light fixture, it is located on the side of the base, between the access screw and hinge. On the repellent-only fixture, it is located on the top of the fixture. It is illuminated when the repellent system is on. When the repellent system has been operated for about 195 cumulative hours, the LED will begin to flash to indicate that the repellent cartridge may be near the end of its intended 216 hour life.

The green LED is blinking but the repellent cartridge is not yet empty. Do I need to change it?

Each 24 ml Cartridge will use about 1 ml per 10 hours or 240 hours theoretically “until dry”. The EPA allowed 90% of the 24 ml of repellent to be claimed as “effective” believing the last 10% would be less effective due to reduced wick exposure. Hence, 90% x 240 hours = 216 hours of claimed repellent effectiveness. Actual repellent usage may vary based on temperature and humidity. Please follow the EPA accepted Directions for Use to replace the cartridge and dispose of the old cartridge according to directions. “If empty or at end of the season, dispose of unused portion according to label directions: Place in trash. If partly filled: Call local solid waste agency for disposal instruction. Never place unused product down any indoor or outdoor drain.”

How long will the repellent last?

The repellent will last for at least 3 years, when stored at room temperature.

How long will the battery in the Dual Timer/Controller maintain the clock and programmed settings if the power supply is disconnected or interrupted?

The battery is rechargeable, and will maintain the clock and settings for 12-14 days without power.

How many NuTone Haven fixtures can I connect to the NuTone Haven Dual Timer/Controller?

Each circuit of the Dual Timer/Controller can support a load of up to 36 watts or up to 4 NuTone Haven fixtures. To enjoy the benefits of controlling the lighting and repellent functions separately with the two circuits, only 4 Backyard Light & Mosquito Repellent fixtures can be connected to the Dual Timer/Controller: 4 light cables connected to the lighting circuit, and 4 repellent cables connected to the repellent circuit.