



## What is it?

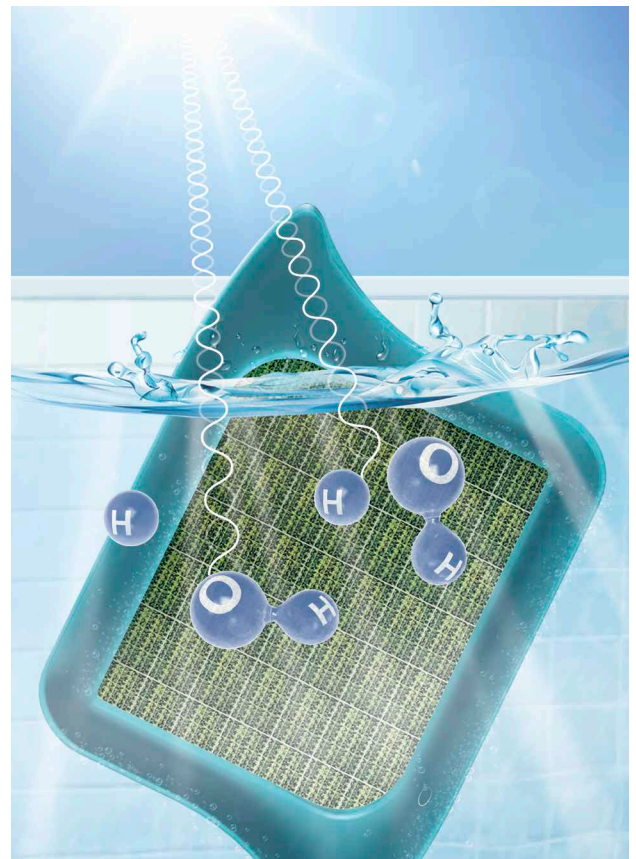
Card On Guard is a UV light based floating device that **can reduce chlorine/bromine needs** of Swimming Pools & Hot Tubs **by 50%**

**NO CHEMICALS RELEASED – NO ELECTRICITY NEEDED  
DOES NOT REQUIRE DIRECT SUNLIGHT**

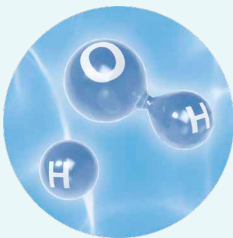
## How It Works:

### BioPhotonX™ UV Light Conversion Technology

Card On Guard incorporates BioPhotonX, our proprietary **UV light conversion technology**, which uses naturally occurring light in the form of photonic energy **to affect biological organisms like bacteria**. The process of using UV light in this way is called biophotonics. **The science and technology of biophotonics has been around for decades**, especially within the medical and water treatment industries.



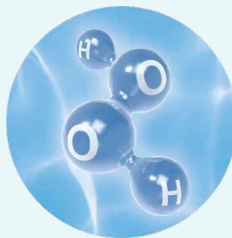
phase one



#### broken down H<sub>2</sub>O

Portions of water molecules are broken down into their component parts of hydrogen and oxygen.

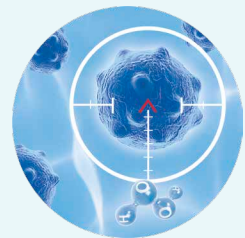
phase two



#### free radicals

The resulting atoms and molecules reunite to form small amounts of Free Radicals.

phase three



#### bacteria reduction

These Free Radicals attack, weaken and inhibit reproduction of bacteria in your pool.

## Consumers Want It

Consumers “concerned” or “very concerned” about chlorine **increased from 52% in 2010 to 81% in 2015**

Source: 2016 Study by The Chemours Company titled “Chlorine Shock Oxidizers Losing Ground”

## Product Benefits

- **Easy to Install:** Just “drop in” and it goes to work
- **Universal Application:** Use in combination with all existing pool & hot tub water treatment systems
- **Cost Savings:** Save 50% on chlorine or bromine
- **Reduced Exposure to Chemicals:** Minimizes disinfection by-products that cause skin & respiratory irritation and chloramine smell
- **Increased Safety and Less Hassle:** Reduces amount of corrosive chemicals to be purchased/handled/stored
- **Better for Environment:** No electricity needed + No chemicals released + Reduction of current chemicals

**Validated via extensive testing by the Water Quality Association (WQA)** under NSF/ANSI Standard 42 for water filtration and bacteriostatic capability, **independent 3rd party laboratory studies** analyzing bacteriological content of water samples pre/post use of Card On Guard and **hundreds of satisfied pool & hot tub owners.**

## How You Use It

1. Confirm **free chlorine/bromine at minimum 2 ppm**, then **put Card On Guard in pool/hot tub**
2. **After 1 week**, test to confirm free chlorine/bromine level at minimum 2 ppm, **then reduce normally added chlorine/bromine by 50%**
3. Thereafter, **continue to monitor free chlorine/bromine level** and continue to add 50% of usual amount or **try reducing further**

**Each Card On Guard treats 15,000 gallons for 12 months in use**

## Awards



reddot award 2016  
winner



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