



Is swimming in a pool of chemicals safe?

New studies reveal that your swimming pool may turn out to be the most dangerous water around. During typical chemical disinfection, chlorine and other chemicals react with organic matter to form new chemicals that have been linked to asthma, allergies, and even cancer.

Chloramines or "combined chlorine" is what creates the unpleasant chlorine smell and can cause reactions such as red, burning, and irritated eyes. Chloramines form when chlorine reacts with ammonia. Ammonia enters the pool through sweat and urine.

Effects of chlorine:

- Irritates and reddens the eyes,
- Is absorbed into the skin
- Can cause breathing difficulties in asthmatics
- Can cause allergic reactions and eczema flare ups
- Dries out skin and hair
- Strong unpleasant odour
- High exposure has been linked to reproductive disorders and even birth defects.

UV water disinfection for the modern pool

Here's the good news. New technologies are making our pools safer than ever before.

Imagine swimming in a pool with less chemicals, no irritations, and no offensive odours. UV water disinfection makes this possible by killing bacteria, viruses, moulds and spores, even the ones that chlorine doesn't, while breaking down nasty by-products of chlorine such as chloramines.

UV makes swimming a more healthy and comfortable experience

- UV water treatment disinfects water, deactivating micro-organisms including the chlorine resistant Cryptosporidium and Giardia.
- UV controls chloramine levels meaning no more skin and eye irritations and a better breathing environment for asthmatics.
- Chlorine use can be reduced by up to 90%, providing swimmers a much healthier experience.
- Filters are required to be backwashed less frequently, resulting in less water usage.



Benefits of UV water treatment

- Simple installation
- Easy operation and maintenance
- Effective disinfection
- Economical and cost effective
- Less need for chemicals
- Chemical free
- No microorganism known to be immune to UV

How UV works

UV-Guard's water treatment systems are installed in-line just after your pool's existing filtration system. The UV light bombards the passing water flow with a high intensity ultraviolet light that destroys waterborne pathogens and organic matter, including algae, bacteria, cysts, viruses and chloramines.

UV-Guard's engineers can design a water treatment system specific to your needs. Contact us today.



Medical &
Pharmaceutical



Agriculture &
Horticulture



Mining &
Municipal



Aquaculture



Food & Beverage



Industrial &
Manufacturing



Residential