

# the problem

- 1.1 billion people in the world do not have access to safe water (1/6th of the world's population)
- Unsafe drinking water is the biggest killer of children under the age of five
- 1.8 million children die every year – 5000 every day



Thanks to our extensive experience within both urban and rural communities in the Third World, cleanwater Ltd. have discovered how to provide clean and safe drinking water at the point of use, literally transforming communities who, for many years, have battled with the problem of potentially fatal water-borne diseases.

However, access to clean water isn't only a problem in the Third World. Scientists predict an increase in severe weather conditions across the world due to global warming. In Europe we are beginning to experience severe flooding as a direct result of increased rainfall where literally thousands of homes can be cut off from a supply of clean drinking water for several days at a time.

Also for those who enjoy camping and caravanning across Europe access to clean drinking water isn't always an option.

# the solution

## PURIFIED WATER FROM VIRTUALLY ANY FRESHWATER SOURCE IN MINUTES

cleanwater Ltd. have designed and developed a versatile system using tried and tested British Berkefeld® ceramic filters. The cleanwater filter kit is competitively priced yet highly effective across a range of situations including:

- DOMESTIC WATER EMERGENCIES
- CAMPING AND CARAVANNING
- THIRD WORLD AID



The cleanwater kit is light-weight, compact for transportation and is easy to assemble at the point of use, providing clean water from virtually any freshwater source within minutes.

The effective life of the ceramic filter, in continual use, will normally be more than 12 months depending on the turbidity of the source water, before requiring replacement.

The cleanwater kit is specially designed for emergencies. However, coupled with readily available plastic containers (using the hole-maker provided) the kits can be used in schools, hospitals and businesses where access to a clean water supply is an ongoing problem.



# how it works

## MULTI-STAGE FILTRATION IN ONE FILTER CARTRIDGE

The British Berkefeld® ceramic filter used in this cleanwater kit is impregnated with silver.

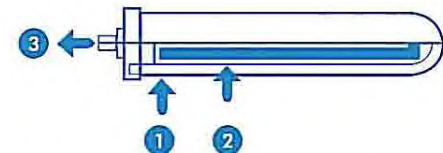
The filter purifies the unclean water by

- Removing all sedimentary particles and suspensions down to 0.9 microns, thereby improving colour and taste of the water
- Killing 99.99% of harmful bacteria and cysts, including E-Coli, Cholera, Typhoid, Shigella, Klebsiella, Cryptosporidium and Giardia. These are responsible for life-threatening diarrhoeal diseases.

Coupled with the siphon tube, purified water is delivered to the point of use at a rate of up to 5 litres per hour.

The filtration system works in three stages:

- 1 Outer shell - Micro Filtration
- 2 The silver content of the ceramic matrix kills the bacteria
- 3 Self setting siphon tube - Conveys the water to the point of use



**British Berkefeld**  
world class ceramic filters

The British Berkefeld® ceramic filter used in this kit has been manufactured under International Standards Organisation (ISO) conditions. All claims with regard to the performance of the British Berkefeld® ceramic filter have been verified by independent laboratory testing. Sterasyl™ and British Berkefeld® are trademarks registered to Fairley Industrial Ceramics Ltd