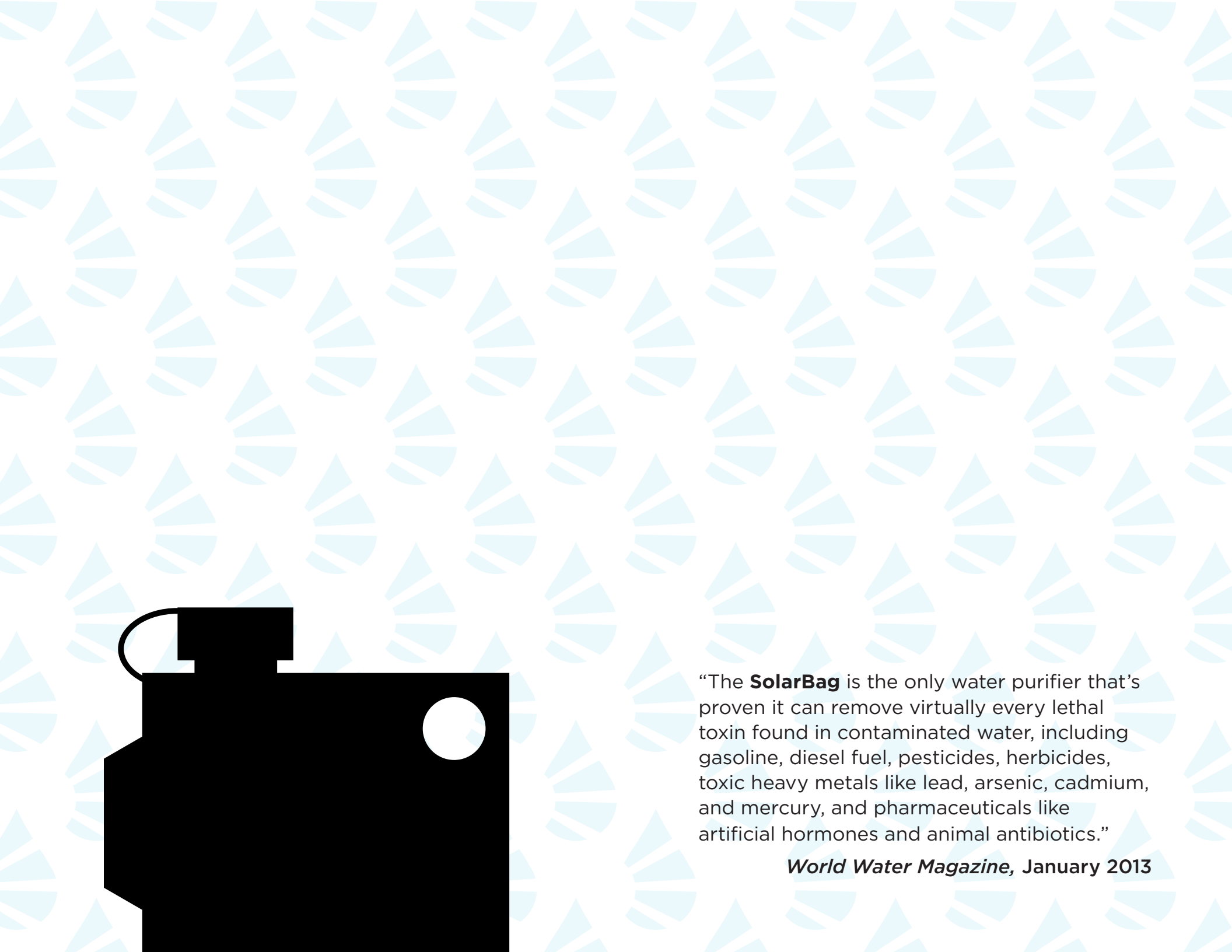


**THE WORLD'S
CLEANEST WATER.**

**NOW AVAILABLE
EVERYWHERE.**




**PURE
HEALTH
WATER**



“The **SolarBag** is the only water purifier that’s proven it can remove virtually every lethal toxin found in contaminated water, including gasoline, diesel fuel, pesticides, herbicides, toxic heavy metals like lead, arsenic, cadmium, and mercury, and pharmaceuticals like artificial hormones and animal antibiotics.”

World Water Magazine, January 2013



8,000 PEOPLE DIE EACH DAY BECAUSE OF THE WATER THEY DRINK¹

Globally, diarrhea is the leading cause of illness and death. The provision of safe drinking water and improved sanitation could reduce diarrheal diseases by nearly 90 percent.²

The number of cholera cases for the decade 2000–2010 increased by 130%. With increasing populations living in peri-urban slums and refugee camps, as well as increasing numbers of people exposed to the impacts of humanitarian crises, the risk from cholera and other diseases will likely continue to increase worldwide.³

THE WATER CRISIS CLAIMS MORE LIVES THROUGH DISEASE THAN ANY WAR CLAIMS THROUGH GUNS.⁴



ONE



1 BILLION PEOPLE LACK ACCESS TO AN IMPROVED WATER SOURCE⁵

TWO



2 BILLION PEOPLE LACK ENOUGH WATER FOR BASIC SANITATION⁶

THREE

3,000,000

3 MILLION CHILDREN WILL DIE THIS YEAR FROM WATERBORNE DISEASES. THAT'S A CHILD EVERY 10 SECONDS.⁷



DILUTION IS NOT THE SOLUTION TO POLLUTION

We manufacture and pollute the environment with millions of pounds of industrial herbicides, pharmaceuticals, pesticides, petrochemicals fertilizers, and animal antibiotics each year.

Fresh water levels are not increasing.
Contaminant concentrations are.

5 CURRENT METHODS FOR PURIFYING WATER

FILTERS	CHEMICALS	UV STERILIZERS	DISTILLATION	REVERSE OSMOSIS	+
<p>Captures some contaminants according to the size of pores</p>	<p>Used as a bleach to “scrub” most protozoa, viruses, and bacteria</p>	<p>Most protozoa, bacteria, and viruses are destroyed, but some are immune</p>	<p>Boiling renders most protozoa, viruses, and bacteria harmless</p>	<p>Captures some contaminants according to the size of pores</p>	
<p>Manmade chemicals are not destroyed</p> <p>Heavy metals are not removed</p> <p>Concentrates contaminants, which may colonize the filter</p> <p>Contaminants are eventually returned to the environment</p> <p>Replacement filters are expensive</p>	<p>Manmade chemicals are not destroyed</p> <p>Heavy metals are not removed</p> <p>Produces harmful disinfection by-products including carcinogens</p>	<p>Manmade chemicals are not destroyed</p> <p>Heavy metals are not removed</p>	<p>Manmade chemicals are not destroyed</p> <p>Heavy metals are not removed</p> <p>Concentrates some contaminants</p> <p>Energy intensive</p> <p>Smoke inhalation from fires for boiling water is a major source of lung disease worldwide</p>	<p>Manmade chemicals are not destroyed</p> <p>Concentrates contaminants, which may colonize the filter</p> <p>Contaminants are eventually returned to the environment</p> <p>Replacement membranes are expensive</p> <p>Produces high volume of waste water</p>	-

IS THERE A BETTER WAY?

- that requires no electricity
- that adds no chemicals
- that destroys contaminants
- that removes pathogens, heavy metals and manmade chemicals

SOLARBAG

A BETTER METHOD OF WATER PURIFICATION

- The SolarBag eliminates the broadest range of contaminants of any single purification device
- Eliminates protozoa, viruses, and bacteria
- Removes heavy metals
- Destroys manmade chemicals
- No electricity required - it's powered by the sun
- No chemicals required
- Produces no waste water or byproducts
- Breaks down contaminants so they cannot return to the environment or colonize filter
- Reusable 100s of times
- Lightweight and portable - just 3.5 ounces



 **easy to use**

 **economical**



FILL. WAIT. DRINK.

Fill a SolarBag with water.

Place it outdoors on a sunny or cloudy day.

In a few hours, pure water is at your fingertips.

An indicator tells you when the water is ready; it usually takes 3 hours on a sunny day and 6 hours on a cloudy one.

With simple instructions and no moving parts, the SolarBag offers the **easiest and quickest training of any purifier for disaster relief.**

PENNIES PER LITER

A SolarBag is **reusable hundreds of times**, has no replaceable parts and requires no chemical additives. It generates 100% water yield, meaning no waste water is created.

Each SolarBag has a 3.5 liter capacity and can save more than 52 trees from being cut and burned to boil water.⁸





RESTORATIVE TECHNOLOGY

The nanotechnology-coated mesh inside the SolarBag works on a molecular level, breaking up contaminants into basic elements such as water and carbon dioxide. The mesh does not merely trap and concentrate pollutants, or use additional chemicals during the purification process. It's restorative technology that:

DESTROYS CHEMICAL CONTAMINATES

- Pesticides, Herbicides, Insecticides
- Cleaning Solvents
- Petrochemicals
- Animal growth hormones
- Animal antibiotics
- Human pharmaceuticals

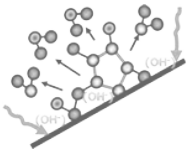
REMOVES HEAVY METALS

- Arsenic
- Lead, Mercury
- Chromium
- and more

STERILIZES PATHOGENS

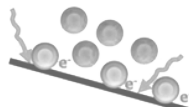
- Bacteria
- Virus
- Protozoa





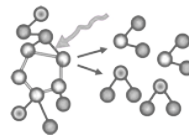
PHOTOCATALYTIC OXIDATION

LEDs or sunlight activate a nanotechnology coated mesh to generate hydroxyl radicals (OH⁻) which break apart chemical contaminants rendering them inert.



PHOTOCATALYTIC REDUCTION

Reduces toxic species such as mercury (Hg II), silver (Ag I), arsenic (As V, and chromium (Cr VI) to more readily adsorbed materials.



PHOTOLYSIS

Direct disassociation of contaminants by high intensity UV light, including atrazine, amoxicillin, DEET, and all estrogenic chemicals.

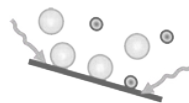


PHOTO ADSORPTION

The catalyst strongly adsorbs heavy metals including mercury, lead, selenium, and arsenic, permanganate, and other compounds.

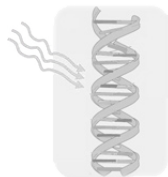


PHOTO DISINFECTION

Multiple wavelengths and high intensity UV disinfect pathogens more effectively than standard UV germicidal lamps.



THE PURALYTICS PROCESS

The **SolarBag** is powered by the Puralytics Process, which breaks down most chemical compounds into carbon dioxide and water, eliminating them from the environment.

Elements other than hydrogen, carbon, and oxygen are “mineralized” into non-toxic forms. Heavy metals are captured and reduced to a less toxic state, then permanently adsorbed onto the surface of the nanotechnology-coated mesh, resulting in easier disposal than any other filtration technology.

Beneficial minerals such as calcium and magnesium are not destroyed.



AWARD WINNING



2013 GLOBAL HARDWARE
INNOVATION AWARD



2010 GRANDPRIZE WINNER,
BEST CLEANTECH BUSINESS



- Inc. Magazine • Top 8 Best Water Investment in 2012
- The Artemis Project • Top 50 Water Technology Company in 2011
- Zino Green Fund • Best Cleantech Investment, 2011
- Global Cleantech 100 in 2011
- Global Water Intelligence • Water Investment Idol 2010
- ImagineH2O • Double Finalist for Water and Energy Efficiency
- TechCrunch Award • Finalist in the Cleantech Category



SOLARBAG IN ACTION

SolarBags are used around the world in regions that have hazardous or contaminated well water, surface water or rain water sources. They are proving to be life-saving devices in refugee camps, remote villages, overcrowded cities and disaster zones. SolarBags are also useful for overseas travel, emergency preparedness, hiking, camping and more.

TESTED & APPROVED BY:

- World Health Organization
- University of Arizona to EPA Guidelines
- Ministry of Water and Irrigation - Kenya
- Kanagawa Academy of Science & Technology - Japan
- Istanbul Technical University - Turkey

Made in the USA, SolarBags are the only non-powered, non-chemical device to exceed both WHO Highly Protective and EPA water purification standards.

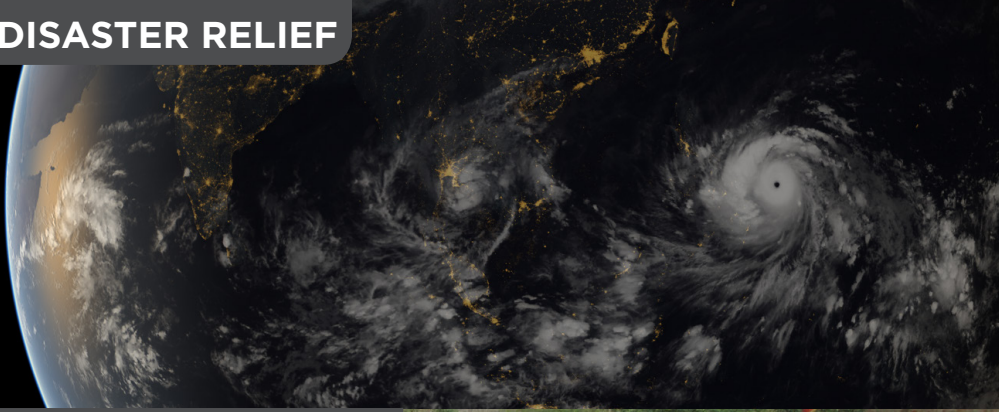
USED AROUND THE WORLD IN 55 COUNTRIES



GO ANYWHERE.

SolarBags are simple to operate. Fill one with water and place it outside on a sunny or cloudy day for 3-6 hours. When the indicator turns on, pure water is at your fingertips.

DISASTER RELIEF



REFUGEE CAMPS



URBAN POLLUTION



RAIN WATER TREATMENT



RURAL VILLAGES



TRAVEL



EMERGENCY PREPAREDNESS



THE WORLD IS WAITING.



END NOTES

1. World Health Organization (WHO), 2008. Safer Water, Better Health 2. WHO - The World Health Report, 2002. 3. <http://www.unwater.org/statistics/statistics-detail/en/c/211773/> 4-6. Quote from United Nations Development Programme (UNDP), 2006. Human Development Report 2006. 7. <http://www.foodandwaterwatch.org/water/interesting-water-facts> 8. SolarBag study in Malawi conducted by Puralytics

PHOTO CREDITS

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CONTACT + ORDERING

For more information, current pricing, or to place an order, contact Pure Health Water, a global distributor of SolarBags:

45 Grove Street • Lebanon, OR 97355
1.888.481.3720 • purehealthwater.com

Volume discounts are available for bulk orders.
Contact Pure Health Water for additional details.

purehealthwater.com