



*"Never doubt that a small group of thoughtful, committed citizens can  
change the world.  
Indeed, it's the only thing that ever has."*

**Margaret Mead**



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## **1. Introduction**

Safe drinking water is security. Whoever invest in drinking water sanitising and disinfectant solutions, invest in something more valuable as gold and oil combined. (Source: <http://www.telegraph.co.uk/finance/personalfinance/investing/11081169/Forget-gold-investing-in-water-could-generate-far-greater-returns-over-time.html>)

**The water contamination crisis in South Africa can no longer be ignored: “Water contamination was a factor in the death of nearly 80 babies in the Eastern Cape, the provincial government said on Wednesday.**

(Source: <https://mg.co.za/article/water-contamination-cited-in-e-cape-child-deaths>)

People in South Africa are dying whilst there is an immediate solution such as SANI-H20 to prevent this from happening.

“20 million people every day in RSA needs SANI-H20

A lot of money — but a large-scale failure in getting water to people. In the past two decades, South Africa has spent enough to give 95% of the population clean water. That’s a tap in the home, or within 200m of the home. But only 65% of people have clean water, according to the water department and the general household survey.

**That means 20-million people who should have water, don’t.**

The why of this isn’t anything new, or unique to South Africa. Large infrastructure projects have always attracted politicians looking to create patronage networks and business interests eager to profit off that.”

(SOURCE: <https://mg.co.za/article/2018-09-14-00-20-million-in-sa-denied-clean-water>)

- ❖ “SANI-H20” is an interim and helpful solution for government, to provide safe drinking water where water infrastructure is not yet available to their citizens.

- ❖ SANI-H20 is 100% South African designed and owned.
- ❖ SANI-H20 should be treated as a National ‘essential needs product’, which will assist Government by solving urgent water contamination emergencies immediately.
- ❖ Until the infrastructure challenges are yet to be overcome, SANI-H20 is a perfect solution to give communities when a contaminated water crisis occurs. To have SANI-H20 in stock will suppress any dirty water related protests as the solution will be available immediately.

## **2. Contaminated water crisis in South Africa.**

- **20 Million** people in South Africa are exposed to contaminated water every day.
- **380%**. From 2017 to 2019 the percentage increase in protests in RSA against ‘brown water’ (contaminated water).
- **Around 100 pupils** from St Matthews High school in Keiskammahoek, Eastern Cape have been admitted to SS Gida Hospital on Tuesday evening. The learners had been complaining of stomach aches after drinking contaminated water.
- **Eastern Cape:** Water quality of the resource and the drinking water is of concern throughout the study area with many communities relying on untreated raw water from rivers, springs or boreholes. Many of these sources, especially in the vast rural areas of the Eastern Cape, are contaminated due to a lack of proper land management and source protection. (<http://www.scielo.org.za/scielo.php>)
- **North West:**“Residents are continually complaining about the quality of water. The ever increasing water crisis resulted from lack of supply of clean, drinkable water which is good for cooking and bathing. “We have a water crisis in our area where the water is dirty and smells very bad.”  
After drawing water from the tap, one can clearly see substance particles in the water probably faeces and urine as the water is brown in colour.” (SOURCE: <https://www.northwestnewspapers.co.za/mafikengmail/community/blogs/editor-s-viewpoint/1090-water-crisis-increases-in-mahikeng.May.2019>)
- **“We don’t even have a master plan for the province** that can inform those who have to implement, where the issues are, where obstacles are so that implementation is therefore maximized in terms of its effectiveness.” **says North West Premier Job Mokgoro.**
- **“Water quality in this province is very bad. People can’t rely on water.** The water has to be purified before they can drink it. Most of the infrastructure is decapitated. There is no maintenance of the infrastructure so as a result of that there is no early treatment. People get water that is already polluted,” says Tshwane University of Technology’s, Dr Lizzy Monyatsi.
- **Contaminated water puts Limpopo community at risk.**

Some community members in Tswaing village outside Jane Furse in Limpopo say they have no alternative but to continue drinking contaminated water.

Tests on the water from a furrow which is the only source of water for Tswaing and neighbouring villages, have confirmed that the water is contaminated with Typhoid.

The tests were run after 68 minors were hospitalised with symptoms of Typhoid last month. Five cases of Typhoid were confirmed. Residents however say their situation remains the same.

**“We need water because we drink dirty water from the furrow, donkeys drink there too, some even die there and we don’t know where government is in this situation. <https://www.sabcnews.com/sabcnews/limpopo-residents-drinking-water-contaminated-with-typhoid/>**

- **Limpopo.** The residents of Waterval village, near Elim Hospital, have no option but to drink from the local river where sewage and waste is deposited, because there is no other running water in the area. The area has not had running water for several years.
- Mpumulanga: <https://www.youtube.com/watch?v=CN18R90M8Uc>
- **50%** of developing world's hospital beds are occupied by parents suffering from water-related diseases at any one time (Source: UN)

### **3. Manufacturing**

- By using outsource-manufacturing, we can currently manufacture 10 million+ sachets per month. Thus sanitising 200 million+ litres of water whenever and wherever needed.

### **4. Product Description**

- “SANI-H20” is effective against antibiotic-resistant bacteria. It is part- natural, non-chlorine and contains dozens of minerals and trace minerals. It is highly effective in killing waterborne pathogens. This non-chlorine formula is a combination of cationic and disinfectant powders with powerful sanitation characteristics.
- Some of the ingredients are electrical charged products that acts as a detoxifier, and can improve the body's pH balance. “SANI-H20” is safe for human consumption.

### **5. Characteristics of “SANI-H20”**

- a) ‘SANI-H20’ is packed in a 4g sachet and will sanitise contaminated water in quantities of 20 litres.
- b) Point-Of-Use convenience.
- c) Sanitizing efficacy of zero (0) E.coli/p/p100ml.
- d) Powder format. Thus light and portable.

- e) Exact dosage size. A person cannot overdose as with some liquid alternatives found in the market.
- f) Affordable.
- g) Non-Chlorine.

**6. Easy Steps on ‘How to Use’ SANI-H20**

- a) Always make sure that the container is clean of any leaves, stones, grass, sticks and mud.
- b) Fill the container with water. For example, a 20lt bucket or drum.
- c) Simply tear open the “SANI-H20” sachet and empty the contents into the contaminated water.
- d) Stir the water in the container for 60 seconds with a spoon or stick. The “SANI-H20” powder will dissolve and start its process of flocculation and sanitation.
- e) Leave the container with water for 30 minutes. The water will now be safe for drinking.
- f) At the bottom of the bottle or container you will see the dirt that has been separated from the clean water above it.
- g) Use a clean cloth to separate the clear and clean water from the dirt that precipitated at the bottom of the container.

**7. SANI-H20 Analysis**

<b>Brand name</b>	“SANI-H20”. Oxygen Water Sanitizer
<b>What is SANI-H20</b>	Blend of inorganic persulphate salts, clays, anti-microbial bioflavonoid complexes and reagents
<b>Description</b>	Effective conditioning of drinking water at <b>point of use</b> . Also complementary to UV, ozone & other disinfection processes with good residual value.
<b>Features</b>	Environmental friendly, non-toxic & safe, free from chlorine, bromine & iodine. Destroys bacteria & most common pathogen organisms.
<b>Markets</b>	Africa’s remote rural areas, informal settlements, urban and disaster relief.
<b>Marketing Channels</b>	Governments and NGOs.
<b>Capacity / scaling</b>	Micro sachets for mass distribution. 10 Million + sachets per month.

**8. Exclusive Branding**

When placing orders of 500 000 and more SANI-H20 sachets, a Buyer may co-brand their company logo and slogan on the front of the sachets.

## **9. Registrations**

- |                      |  |
|----------------------|--|
| 1. UNITED NATIONS GM | : UNGM number 561834                   |
| 2. UNICEF            | : Registered Vendor under UNGM 561834  |
| 3. IWA               | : Corporate Membership number: 1614215 |
| 4. WISA              | : Corporate Membership number: 10242   |

## **10. SANI-H20 footprint**

a. Congo, Zimbabwe, Congo Brazzaville, Ghana, Nigeria, Swaziland, South Africa, Brazil, Mozambique, India, Zambia, Botswana, Kenya, Sri-Lanka, Nepal, Bangladesh, Pakistan.

## **11. Packaging configurations**

- 2 000 000 sachets per 40-foot container.
- 70 000 sachets per pallet
- 1000 sachets per box.

## **12. Conclusion**

With ‘SANI-H20’, people in remote rural areas will now have access to safe drinking water. The need for alternative water sanitation products has reached a critical point in all sectors of our lives. More and more pathogens are becoming resistant to the traditional sanitation methods such as chlorine and even antibiotics.

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