

**GRAZIMARK (PTY) LTD**

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***BioPure***

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## ➤ *Introduction:*

Low risk disaster management, **BioPure**, water purification system kills all known bacteria and viruses while flocculating (separating sediment, mud and sand) at the same time.

- ❖ 50% of all hospital beds worldwide are filled with people suffering from a waterborne disease.



- ❖ More than 1 in 8 people in Africa do not have access to safe drinking water.



- ❖ 1 out of every 5 deaths under the age of 5 is due to a waterborne disease.



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## ➤ *Common Waterborne Diseases*

Disease	Transmission	Clinical Features
Cholera	Drinking Water	Diarrhoea
Typhoid	Drinking Water	Fever / Abdominal Pains
E.Coli	Drinking Water	Bloody diarrhoea
Hepatitis A&B	Drinking Water	Flu -Like Viral Infection
Gastroenteritis	Drinking Water	Vomiting & diarrhoea

## ➤ *Rural Water Sources in Africa*



Is this water safe for human consumption? In many cases **NO**.

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## ➤ *Events That Affect Water Quality*

### FLOODS



### INFECTED WATER SOURCES



People hit the hardest by water disasters include:

- ❖ Rural communities,
- ❖ Informal settlements, and
- ❖ Displaced communities.


## ➤ *Common Disaster Water Management*

1. **Temporary water tanks:** *BioPure* solution purifies the water, is easily managed and is extremely cost-effective.
2. **Mobile water tankers:** Such as used by the fire departments, NDF and water department. *BioPure* solution is a non-corrosive liquid that is safe to use in steel tankers.



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## ➤ *How Does The Product Work?*

<b>STEP 1</b>	<b>STEP 2</b>	<b>STEP 3</b>	<b>STEP 4</b>
<b><i>Collect Water From:</i></b>	<b><i>Add <b>BioPure</b> Concentrate</i></b>	<b><i>Stir, Mix, Shake For 5 Minutes</i></b>	<b><i>Let Stand For 10 Minutes</i></b>
Dams	* 2 Drops in a glass		<b>STEP 5</b>
Wells	* 10ml for 20 Litres		<b><i>Separate Sediment/Mud /Sand</i></b>
Rivers	* 1litre for 2 000 litre tank		<b>SAFE WATER TO DRINK!</b>
Boreholes			
Storage Tanks	* 2.5litres for 5 000 litre tank		
Reservoirs			
Steel Tankers	* 5 litres for 10 000 litre tank	<b><i>Before      After</i></b>	



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## ➤ *Comparison To Chlorine Based Products*

<b><i>BIOPURE</i></b>	<b><i>DESCRIPTION</i></b>	<b><i>CHLORINE PRODUCT</i></b>
2-3 Years	<b>Shelf Life</b>	3-6 Months
Not	<b>Corrosive</b>	Yes
Yes	<b>Environmentally Friendly</b>	Not
Not	<b>Light Sensitive</b>	Yes
Not	<b>Heat Sensitive</b>	Yes
None	<b>Contains Chlorine</b>	Yes
No Smell	<b>Smell</b>	Chlorine Smell
No Taste	<b>Taste</b>	Chlorine Taste
5-10 Minutes	<b>Results</b>	10-60 Minutes
Yes	<b>Contains Flocculants</b>	None
Yes	<b>Can Be Used in Steel Water Tankers</b>	Not

## ➤ *Pricing*

Pricing is available on request

## ➤ *Contact*

For all enquiries please contact:

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