



# THE MOST EFFECTIVE VIRUS DISINFECTANT

# VIROL-OXY<sup>®</sup>

## About Virol-Oxy<sup>®</sup>

The major branch of **Watch Water<sup>®</sup>** is **Virus** classification. **Viruses** can be classified accordingly to the host cell they infect.

Human Viruses

Animal Viruses

Bacteriophages

Fungal Viruses

Plant Viruses

Another classification uses the geometrical shape of their **Capsid**, Helix or Icosahedron. A Capsid is the pretrain shell of Virus. It consists of several oligomeric structural subunits, which are made of **protein** called protomers. Proteins are large biomolecules or **macromolecules**, consisting of one or more chains of **Amino Acid** residuals.

Proteins are essential to life. **Cells** produce new protein molecules from amino acid building blocks based on information coded in **DNA**. Each type of protein is a specialist that usually only performs one function, so if a cell needs to do something new, it must take a new protein. **Viruses** force the cell to make new proteins that the cell does not required but are needed for the virus to reproduce.

A virus is simply classified as **Genome** tucked inside a protein coat, too streamlined for biologist to even consider it to a line. A dangerous genome is **RNA** within a **Protein** covering of telltale spikes, the **CORONA (crown)**. Already knowing the genome sequences of the related **SARS** and **MERS** viruses sped sequencing the new one.

## “CORONAVIRUS”

**Recommendations:** Coronaviruses are large, enveloped **RNA** viruses that causes respiratory and enteric diseases first in animals and then in

## Applications

Hospitals

Airports

Public Places

Personal Hygiene

Animal Transport

Animal Health

Food Processing

Aquaculture

Horticulture

Water Delivery Systems

Equipment & Surfaces

## The Greatest Disinfectant for Million Reasons..!

humans. Coronavirus in humans causes **Respiratory infections** even during the incubation period. The virus has estimated basic reproduction number between 3-5, meaning it typically **infects** 3-5 people per established infection. **Watch Water<sup>®</sup>** recommends reducing the risk of transmission of emerging pathogens from animals to humans and humans to humans, using **Virol-Oxy<sup>®</sup>** as **General Hygiene Measures**, including regular handwashing and **water disinfected** with **Virol-Oxy<sup>®</sup>**. Avoid physical contact with contaminated surface. Raw meat, vegetables, fruits should be washed with 0.5% **Virol-Oxy<sup>®</sup>** treated water. All equipment, working places at home and office should be disinfected frequently, at-least once a day with **Virol-Oxy<sup>®</sup>** solution. Protective clothing should be removed after usage and washed daily after **Pre-Soaking** in **Virol-Oxy<sup>®</sup>** Solution.

RED-OXY TREATMENT  
FILTRATION  
ADSORPTION  
FILTERS ORB  
INSTANT PRODUCTS  
SYSTEMS



# A VIRUS ISN'T ALIVE

## Life?

A

Watch Water<sup>®</sup> doesn't consider a **Virus** to be alive because of what it can't do: "it doesn't metabolize, doesn't respond to stimuli, and can't reproduce **Unaided**". A virus requires a live host to make more of itself, which it can do quite effectively before our **Immune systems** even realize it's there.

B

A viral (**Virol**) **genome** may be quite small. Genetic instructions enable a **virus** to package itself neatly into a protein coat using very few **Genes**, like building an elaborate greenhouse from assembling identical panes of glass.

C

An **Example of Ebola** virus has just seven genes, yet it rapidly reduces a **Trillion-celled-Human body** to a puddle of blood.

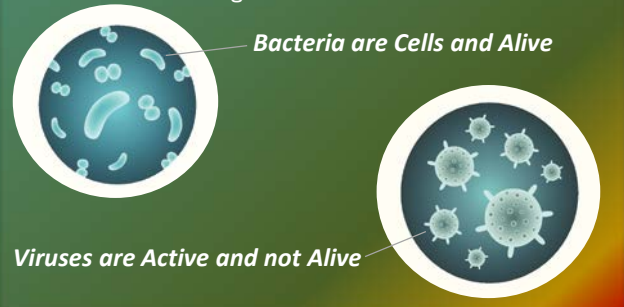
D

The ability of **viruses** (any kind) to reproduce rapidly and their inability to repair **RNA or DNA** replication errors make them highly changeable and therefore adaptable. They can stay ahead of **Host** defenses in an evolutionary arms race of sorts.



E

Watch Water<sup>®</sup> dissect **viruses** down to their **nucleic acid** sequence essence. We don't kill bacteria – We oxidize bacteria, we oxidize viruses with **VIROL-OXY<sup>®</sup>**. Viruses lay far beneath the radar. We know people who seek antibiotics to treat viral infections may not realize the strong difference between.



**“A virus straddles the boundary between the Chemical and the Biological, a structure that is more than an assembly of “MACROMOLECULES”, yet less than a cell”**



# PRODUCT INFORMATION

## VIROLOGY VIROL-OXY<sup>®</sup>

### VIROL-OXY<sup>®</sup> General Descriptions

#### SAFE:

**Virol-Oxy<sup>®</sup>** is the safest **deactivated powder**. It is very easy to use and has a wide usability-based spectrum of activity, which can be used in a very large number of applications and is **environmentally friendly**.

#### HIGH EFFICACY:

**Virol-Oxy<sup>®</sup>** has proven high efficacy against **bacteria** and **viruses, spores** and **fungi** in a very large number of **applications**. **Virol-Oxy<sup>®</sup>** presents no serious or long-term health risk to staff by obviating the need for costly ventilation equipment and health monitoring.

#### UNIQUE:

**Virol-Oxy<sup>®</sup>** is the most **unique powder** product for the safe and rapid disinfection and deactivation of surfaces and contaminated places in a wide variety of emergency situations. **Virol-Oxy<sup>®</sup>** is dissolved in normal water for use, providing a safe working solution with a strong **Pink color**. **Virol-Oxy<sup>®</sup>** working solution is also very safe.

#### CHEMISTRY:

**Virol-Oxy<sup>®</sup>** is a balanced and stabilized blend of powdered **Hydrogen peroxide** and **Crystalline Titanium dioxide (Titansorb P)** compounds, surfactant, organic buffer chemistry with exceptional safety profile.

#### MODE OF ACTION:

By oxidation of **Protein Coat** and another infection organism of cell protoplasm, resulting in inhibition of enzyme systems and loss of cell integrity. The only method for deactivating viruses which consists of contacting the viruses located on the inanimate surface or on the skins of humans or non-human (animals) with a solution of **Virol-Oxy<sup>®</sup>** in a concentration of at least 0.5 to 1%.

□ **Virol-Oxy<sup>®</sup>** does not contain any toxic containing chemicals (Aldehydes, Phenols, Alcohols, Iodophors, Formaldehyde) which is known to be a broad-spectrum disinfectant and does not fulfill the require for deactivation of viruses. Therefore **Virol-Oxy<sup>®</sup>** is the only product with the efficiency to act as:

- Virucide
- Bactericide
- Fungicide

**RED-OXY TREATMENT**

FILTRATION  
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# PRODUCT INFORMATION

## Packaging Information

20 x 1 kg in box	60 boxes/Pallet
4 x 5 kg in box	60 boxes/Pallet
60 kg drums	18 drums/Pallet

## To Prepare Solution

To prepare a One percent (1%) solution, using the table below, prepare the relevant volume of lukewarm water. Add the appropriate amount of **Virol-Oxy**<sup>®</sup> and stir until the powder has dissolved, leaving a clear **Red Solution**.

Virol-Oxy	Water
10 grams	1000 ml (1 litre)
100 grams	10 litres
500 grams	50 litres
1000 grams	100 litres

**Virol-Oxy**<sup>®</sup> 1% solutions are stable for up to 10 days. Good 100% (Log 5) disinfection should be prepared daily.

## Use of Solution

- **Virol-Oxy**<sup>®</sup> solution is used to spray, swabbing, rubbing and immersing surfaces to **disinfect**.
- Spray surface with **Virol-Oxy**<sup>®</sup> prepared solution, leave for up to a minimum 10 minutes and wipe over with a paper towel.
- Immersing or soaking all home appliances like stainless steel utensils. Pre-soaking of laundry and bedding prior to normal washing.

- Wipe, swab or rub the surface with a wet cloth, for example, doors, windows, knobs, workbenches, garden benches, trolley, floors, baths and sinks, complete kitchen jars and tools, beds, bed sheets and entire laundry at home.

**Virol-Oxy**<sup>®</sup>  
is manufactured by **Watch Water**<sup>®</sup>  
Germany according to **DVV**.  
Organization for combatting  
**Viral Diseases**

## To Pre-soak Medical Devices

- To pre-clean contaminated stainless utensils, instruments, brush them with 1% **Virol-Oxy**<sup>®</sup> solution, rinse thoroughly with disinfected water.

*Please note: Cleaning is not disinfecting*

## Disposal

**Virol-Oxy**<sup>®</sup> solution can be easily disposed into any sewage.

## Shelf Life

Store in cool, humidity-controlled conditions, shelf life is three years from the date of manufacture. Container must be tightly resealed to preserve stainless integrity of powder.

One percent (1%) Solution.

- Non-irritant to eyes
- Non-irritant to skin
- Non-Toxic

 Beware of fake products 

**Disclaimer:** The information and recommendation in this publication are true and based on data we believe to be reliable. They are offered in good faith but do not imply any warranty, liability or performance guarantee. Specifications are subject to change without notice. Watch Water<sup>®</sup> will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.