



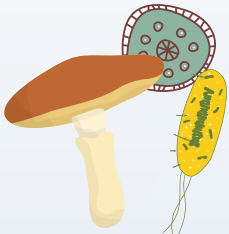
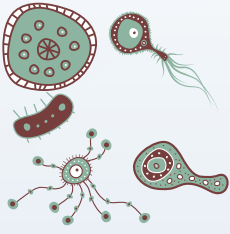
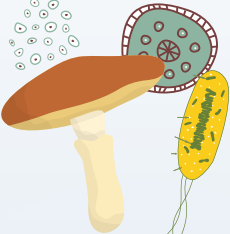
# Cleaners, Sanitizers, Disinfectants, Virucides, and Sterilants.

- How Are They Different?
- How is H2Orange2 Classified?

With the variety of different products out there, it's easy to get confused. But each type of product has its own unique uses, abilities, kill claims, and hazard levels. This is designed as an easy guide to help learn the differences, but always be sure to read the full documentation on your products.



## What are the differences between these types of products?

CLEANER	SANITIZER	DISINFECTANT	VIRUCIDE	STERILANT
Aids in Soil Removal	Reduces the Number of Bacteria	Kills Fungi, Bacteria, and Viruses	Kills Viruses	Eliminates all Fungi, Bacteria, Viruses, and Spores
				
Simply aids in the removal of soil from a surface. Although cleaning does remove germs from a surface, it doesn't kill them.	Lowers the number of bacteria on surfaces to levels that are considered safe by public health orgs.	Kills infectious fungi, bacteria, and viruses but not bacterial spores on hard environmental surfaces.	Destroys or irreversibly inactivates viruses in the inanimate environment.	A sterilant is used to destroy or eliminate all forms of microbial life including fungi, viruses, and all forms of bacterial spores.

Any product that claims to kill bacteria, viruses, mold, or fungi must be registered with the EPA as a pesticide.

# So how is H2Orange2 Hyper-Concentrate 112 Classified?

**CLEANER**

**SANITIZER**

**VIRUCIDE\***

H2Orange2 Concentrate 112 is a cleaner, sanitizer, and virucide\*.

## SANITIZER

Kills 99.99% of common bacteria (Staphylococcus aureus, Salmonella choleraesuis, Klebsiella pneumonia, Pseudomonas aeruginosa, Streptococcus faecalis, Escherichia coli.)

## VIRUCIDE\*

Kills 99.9% specified viruses (Herpes Simplex Virus Type 2\*\*, Influenza A2/Japan and HIV-1).

\*When used as directed H2Orange2 Hyper-Concentrate 112 is EPA-registered to kill Herpes Simplex Virus Type 2\*\*, Influenza A2/Japan and HIV-1 (Human Immunodeficiency Virus).

\*\*Except in California



## How Are Each of These Used?

The EPA recommends that every surface should be cleaned first.<sup>1</sup> If you're not using a product that's multi-purpose like H2Orange2, then a product that sanitizes or disinfects may not be an effective cleaner. EnviroX recommends cleaning with H2Orange2, and then re-applying with the Heavy Duty dilution to achieve the effect desired.

• **CLEANING** may be all that is required for some surfaces and areas. It reduces germs, dirt, and impurities by removing them. It also removes the water and organic materials germs use to survive. In addition, it removes dust, mold, and other irritants.<sup>1</sup>

• **SANITIZING** actually kills most germs, rather than just removing them.<sup>1</sup> High-contact surfaces should be sanitized, such as door knobs, switches, and handles. Other areas to sanitize include toilets and urinals.

• **VIRUCIDES** are useful when protecting against specific viruses in order to protect the health of the occupants of the buildings being cleaned. Like sanitizing, this should be applied to high-contact surfaces and areas with a higher risk of containing viruses. With H2Orange2, a stronger dilution with the recommended dwell time (usually 10 minutes, but see the label for complete info) achieves the stated kill claims.

### Ready to achieve simplicity & savings?

To get a custom cost comparison, live product demo or to install a no-risk trial, contact your EnviroX sales representative today!

### Need help? Contact us.

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