



ViolpluS®

The Ultimate Disinfectant and Virucidal

For use in cleaning and disinfecting industrial and agricultural facilities

Powder Form

Effective against Viruses, Bacteria, and Fungi

INGREDIENTS:

Potassium peroxymonosulfate21.41%

Sodium Chloride 1.50%

OTHER INGREDIENTS.....77.09%

TOTAL INGREDIENTS: 100.00%

Equivalent to 9.75% Available Chlorine

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a doctor for treatment advice.

IF SWALLOWED: Call a doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the healthcare professional or doctor. Do not give anything by mouth to an unconscious person.

Call doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear goggles (or faceshield). Wear protective clothing (long sleeve shirt and long pants, socks plus shoes and chemical resistant gloves such as waterproof gloves). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Powder is Corrosive. Causes eye damage. Remove contaminated clothing and wash clothing before reuse.

Corrosive statement refers to powder only not in use solution.

ENVIRONMENTAL HAZARDS:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

BROAD SPECTRUM DISINFECTANT

Violplus® is effective against numerous microorganisms: viruses, gram positive and gram negative bacteria, fungi, and mycoplasma.

Efficacy of the 1% solution against bacteria and viruses was determined in the presence of 400 ppm hard water and 5% organic material in most cases.

The exceptions are noted with qualifiers, e.g., “no hard water,” “no soil load,” and “use 2% solution.”

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ViolpluS Dilution Chart

Fill container with desired amount of water and ViolpluS to achieve solution concentration.

Solutions are stable for 7 days.

Do not soak metal objects in ViolpluS™ for long periods - 10 minutes is maximum necessary contact time.

Quantity of Water	0.5% Solution	1% Solution	2% Solution
1 Litre	5gm	10gm	20gm
5 Litre	25gm	50gm	100gm
50 Litre	250gm	500gm	1000gm
100 Litre	500gm	1000gm	2000gm

GREENHOUSES AND HORTICULTURE

ViolpluS is intended to disinfect inanimate environmental surfaces: such as floors, walls, glasshouse structures, ventilation and other equipment, utensils, trays, and other containers, water systems, evaporative coolers, storage rooms, and vehicles in greenhouses and other horticultural settings prior to introduction or reintroduction of plants, seeds, or soil.

It is not intended to directly affect agricultural production and must not be applied to plants, seeds, or soil. If necessary, remove or cover these items prior to use of the product.

For surfaces and equipment

1. Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt.
2. Use a dilution of 1:100 of ViolpluS in clean water. Use a dilution of 1:50 in clean water if surfaces that are to be treated have not been precleaned with water to remove organic deposits.
3. Apply solution with mop, sponge, power sprayer, or fogger to thoroughly wet all surfaces.
4. Heavy growth of algae or fungi may have to be scrubbed off following application.
5. Reapply as often as needed for control.

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For clean non-porous surfaces: Pots, flats, trays: Use a dilution of 1:100 in clean water. Soak tools to ensure complete coverage.

Work areas: Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:100 of ViolpluS in clean water.

Use a dilution of 1:50 of ViolpluS in clean water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits.

For evaporative coolers: Treat existing algae and slime-contaminated surfaces with a 1:100 dilution of ViolpluS. Treat cooler water every week with a dilution of 1:200 of ViolpluS.

ViolpluS may also be used to disinfect irrigation tanks and lines. Run a 1% solution through the system or soak equipment in a 1% solution. Let stand for ten minutes and flush system with clean water after treatment.

FOGGING (WET MISTING) INSTRUCTIONS – GREENHOUSE/HORTICULTURE

Use a 1.0% solution of ViolpluS for fogging (wet misting) operations as a supplemental measure after regular cleaning and disinfecting procedures. Fog (wet mist) until the area is moist using automatic foggers according to manufacturer's use directions. Rinse foggers and sprayers with potable water following use. Refer to Fogging (Wet Misting instructions).

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