

**VigorOx® WWT II
Solution**

VigorOx® WWT II is for use in wastewater and sewage effluent disinfection in public and industrial treatment facilities.

FOR INDUSTRIAL USE ONLY

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT:

Peroxyacetic acid 15.0%

Hydrogen peroxide 23.0%

REGISTRATION NO. 31330 PEST CONTROL PRODUCTS ACT

WARNING



POISON



DANGER - CORROSIVE TO EYES
DANGER – SKIN IRRITANT

Net Contents

Net weight

Lot No.

Evonik Active Oxygens, LLC.
2 Turner Place
Piscataway, NJ 08854 USA267-422-4200

DIRECTIONS FOR USE

Bacterial Contamination Control in Waste Water Treatment Systems.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing this product or the biocide produced into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

For Disinfection of Sewage and Wastewater Effluents in Treatment Plants

Use VigorOx[°] WWT II to treat sewage and wastewater effluent related to public and industrial wastewater treatment plants. VigorOx[°] WWT II may be applied directly to the effluent or may be used with UV light. VigorOx[°] WWT II may be applied to effluent water discharged from secondary, or tertiary treatments; and to effluent water discharged from trickle bed or percolating fluidized bed filters. The application rate for individual facilities will depend upon the degree of bioloading of the effluent stream to be discharged, the local microbial discharge limit and the Dilution Factor (DF) for the receiving stream. Adjust application rate within 0.5-4 ppm peroxyacetic acid to meet the need of the individual facility.

1. Add VigorOx[°] WWT II to effluent water at a concentration of 0.5 ppm to 4 ppm peroxyacetic acid. Allow contact time of 30 to 45 minutes.
2. Use an appropriate peracetic acid test kit analyzer to ensure that the maximum amount of peracetic acid that can be discharged is not exceeded. Contact your Evonik representative for assistance establishing treatment regimes.
3. The maximum amount of peracetic acid that can be discharged is:
 - i. $0.09 * DF$, where $DF \geq 12$ and
$$DF = \frac{\text{plant effluent discharge} + \text{receiving stream 7Q10}}{\text{plant effluent discharge}}$$
where 7Q10 is the minimum average 7-day flow expected to occur once every 10 years for the receiving stream; or
 - ii. 1 ppm if the 7Q10 is unknown or $DF < 12$.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Ensure that acetic acid and hydrogen air concentrations in the workplace do not exceed exposure levels established by Occupational Health and Safety Authorities in your jurisdiction (e.g. engineering controls, monitoring). If values exceed these levels, wear NIOSH approved respiratory protection.

DANGER

Corrosive to the eyes and skin. DO NOT get in eyes, on skin or on clothing. Harmful if swallowed. May be harmful if absorbed through the skin. Avoid contact with skin. May be fatal if inhaled. Wear goggles and face shield, protective coveralls, boots and chemical resistant gloves while transferring/handling the product. Wash thoroughly with soap and water after handling. Do not breathe vapor or spray mist. Do not enter an enclosed area without proper respiratory protection.

PHYSICAL OR CHEMICAL HAZARDS

Strong oxidizing agent. Mix only with water. Vigor Ox[®] WWT II is not combustible; however, at temperatures exceeding 69°C decomposition occurs, releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms.

FIRST AID

If swallowed: Call a poison control center or 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 poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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 poison control center or 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 poison control center or doctor for treatment advice.

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically.

DISPOSAL

Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

Follow provincial instruction for any required additional cleaning of the container prior to its disposal.

Make the empty container unsuitable for further use.

Dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

STORAGE

Never return VigorOx[®] WWT II to the original container after it has been removed. Avoid all contaminants, especially dirt, caustic agents and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of decomposition, isolate container with cool water and dilute VigorOx[®] WWT II with large volumes of water.

Avoid damage to container. Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 30°C. Do not store on wooden pallets.

PROCEDURE FOR LEAK OR SPILL

Stop leak if this can be done without risk. Shut off ignition sources; no flames, smoking, flares or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

In all applications, always prepare a new solution daily to ensure effectiveness. Do not re-use solutions. Dispose of unused solution.