

# AquaPure™ Odor Zap

Aquapure Odor Zap is designed for odor control in the air, water, and sludge.

Aquapure Odor Zap is recommended for wastewater treatment plants: lift stations, wet wells, sewer lines, clarifiers, solids holding tanks, thickeners, anoxic lagoons or basins, and belt filter press. This includes evaporators, air scrubbers, and closed-loop systems. May be used in misting and fogging applications.

Hydrogen sulfide (H<sub>2</sub>S) is a colorless, toxic gas with a foul, pungent odor like that of rotten eggs. Often referred to as sewer gas, H<sub>2</sub>S is a result of the anaerobic breakdown of sulfates by Desulfovibrio disulfiram's bacteria in an anoxic environment. Controlling this gas is one of the most challenging aspects facing the municipal wastewater and industrial facilities today. The gas is highly toxic to humans and will breakdown to corrosive sulfuric acid. Exposure to as little as one part per million (ppm) of H<sub>2</sub>S can cause irritation to the eyes and respiratory system. At 500 ppm, reasoning and balance is compromised, and exposure to the gas becomes fatal at levels above 700 ppm.

## Features & Benefits

Organic, non-hazardous liquid solution	Easy to apply
A reaction occurs that bonds the active components to the sulfur in the hydrogen sulfide	This reaction is instantaneous and irreversible
Produces a non-odorous, non-corrosive sulfonated compound	At ambient temperatures

## Typical Applications

Wherever malodors occur:

- Metal finishing industry
- Semiconductor industry
- Food processing
- Manufacturing
- Evaporator odor
- Mop water



## Operating Conditions

### Recommended dosing

To shock a system that has odors a recommended dose of 250 ppm to begin with over the course of 1 to 2 weeks followed by a maintenance dose of 10 ppm to neutralize the odors and maintain low levels of odors. Aquapure Odor Zap works on an acid pH up to 11.5 pH

Note: 250 ppm = 0.25 mL per liter or 1 mL per gallon

## Caution

Avoid direct skin contact. In the event of direct skin or eye contact, flush affected area with water. If irritation persists, contact a physician.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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## Our people. Your problem solvers.

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