



**House Calls for Industrial WasteWater**

**Aquapure™ OE**

**Product Code: 2601070**  
**Revised Date: March 19, 2015**

**Aquapure™ OE**

**Aquapure™ OE** is a highly effective catalyst that creates powerful “hydroxyl radicals” when combined with hydrogen peroxide. The process has been shown to be extremely effective for quickly oxidizing molecules that are very difficult to oxidize such as benzene, phenols, cyanide, MtBE, hydrogen sulfide (H<sub>2</sub>S), toluene, and virtually all chlorinated hydrocarbons including TCE, PCE and vinyl chloride (see table below). It is the most effective method to treat for odor and corrosion that results from sulfide contamination. This product is VTX based and can be metered in along side peroxide for easy applications.

The treatment requires no acidification step, creates no sludge under most treatment conditions, avoids costly material of special construction, is easily adapted to existing treatment units and, importantly, is typically the least cost option for treatment when compared to all other technologies for the treatment or removal of recalcitrant organic chemicals.

**TYPICAL PHYSICAL PROPERTIES**

Appearance	Dark Brown Liquid
Odor	Slightly Acrid
PH	6.8 – 7.2
Specific Gravity	1.07
Boiling Point	106 C (223 F)
Vapor Pressure	40 mmHg @ 35 C

**DOSAGE AND FEEDING**

**Aquapure™ OE** is effective within a pH range of 3.5 to 8.5, although it is most typically used in a range of pH from 6.0 to 8.0. Typically the amount of peroxide necessary for complete oxidation of target contaminants ranges from 1.0 to 5.0 times the contaminant mass as measured by the Chemical Oxygen Demand (COD) test with 3.0 times being the most typical ratio. **Aquapure™ OE** is formulated to be added at a volume:volume ratio of 1 part **Aquapure™ OE** to 1 part of the calculated hydrogen peroxide (35%) dosage. Treatability studies can quickly determine the most efficient dosage rates.



## Product Bulletin

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### **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.