Aquapure™ OE

Aquapure OE is a highly effective catalyst that creates powerful “hydroxyl radicals” when used in conjunction 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, MT BE, hydrogen sulfide (H2S), 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 alongside 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 most importantly, is typically the least costly option for treatment or removal of recalcitrant organic compounds.

Features & Benefits

Easy to use liquid	Can be metered next to hydrogen peroxide
Works with oxidizer	Creates volumes of hydroxyl radicals
Reaction takes place at 6.5 – 7.5 pH	Breaks organic bonds of organics for better

Physical Data

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

Operating Conditions

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 to 1 time being the most typical ratio. Aquapure OE is formulated to be added at a volume to 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.

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.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].