

Evonik launches EPA–registered VIGOROX® Trident for water quality control in aquaculture

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- Peracetic acid formula combats pathogens in water in recirculating aquaculture systems, ponds, egg hatcheries
- U.S. Environmental Protection Agency (EPA) registers use in presence of fish
- VIGOROX® Trident breaks down after use into water, oxygen, and acetic acid

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Piscataway, New Jersey. Evonik has received registration from the U.S. Environmental Protection Agency (EPA) for its VIGOROX® Trident peracetic acid for use in recirculating aquaculture systems (RAS) and ponds. Produced by Evonik’s Active Oxygens business line, the biocide can reduce fish pathogens (bacteria and viruses) in the water. In fact, VIGOROX® Trident can be applied while fish are present, as it breaks down into only water, oxygen, and acetic acid.

RAS is a land–based form of aquaculture that enables high–density fish farming while minimizing impact on the surrounding environment and avoiding depletion of natural marine and freshwater resources. Maintaining water quality is one of the greatest challenges in a recirculating system. With VIGOROX® Trident, the biocide can be dosed directly in the tank — without the need for time–consuming fish or water removal. VIGOROX® Trident has no–observable effect on salmon and similar fin fish in concentrations below 3.5 mg/L. And because peracetic acid breaks down into nothing more than water, oxygen, and acetic acid, there are no additional steps to clean up chemical residues.

“Evonik has been pioneering this new technology in close collaboration with authorities and research facilities. We are very pleased to be able to offer our customers an effective treatment to reduce waterborne fish pathogens that can be used with fish present,” said Philip Block, Technology Director for Specialty Markets at Evonik Active Oxygens in North America. “Keeping water clean is an important first step in pathogen management — which is a big concern to operators of RAS systems.”

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Registered Office is Essen
Register Court Essen Local Court
Commercial Registry B 19474

“We work closely with regulators to ensure that our products are effective when used as directed,” said LuAnn Maloney, Regulatory Manager for Evonik Active Oxygens in North America. “The new EPA registration for VIGOROX® Trident attests to our commitment to offering our customers effective solutions that help them meet compliance standards.”

For more information, visit evonik.com/trident

Company information

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €18.5 billion and an operating profit (adjusted EBITDA) of €2.49 billion in 2022. Evonik goes far beyond chemistry to create innovative, profitable, and sustainable solutions for customers. About 34,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About Smart Materials

The Smart Materials division includes businesses with innovative materials that enable resource-saving solutions and replace conventional materials. They are the smart answer to the major challenges of our time: environment, energy efficiency, urbanization, mobility, and health. The Smart Materials division generated sales of €4.83 billion in 2022 with about 7,900 employees.

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