

## What is GWT Zeoturb bio-organic liquid flocculant?

GWT advanced ZeoTurb™ liquid is a unique advanced bio-organic liquid flocculant.

This product is an environmentally safe treatment solution for the flocculation and clarification of potable water, process water, storm water, and waste water applications.

This treatment product is used in both water utilities and industries for the reduction and removal of inorganic and organic particles including silt, sediment, algae, dyes, and trace heavy metal reduction and removal.

ZeoTurb liquid replaces (alum), and other synthetic polymer chemistry and commodity metal salt type products such as polyamide, ferric chloride, and polyaluminum chloride (PAC), providing a solution that does not introduce additional chemicals, salts or metals in the water system.

This product is a biodegradable environmentally safe product that can typically be land applied or disposed of in a land fill passing all TCLP tests.

GWT™ Zeoturb liquid flocculant can provide multiple advantages for water utilities, industrial facilities, and for storm water treatment. These benefits along with the ease of monitoring dosing rates, allows water utilities, storm water agencies, and industrial facilities to obtain a quick return on investment.



**SUSTAINABLE, NON-TOXIC, SCALABLE, GREATER TREATMENT EFFICIENCY**

## Conditions of Operation

### Treatment Process

The Zeoturb liquid flocculant solution is injected into drinking water, wastewater or stormwater using a GWT chemical feed dosing system or an existing chemical feed dosing pump system with an automatically proportionally adjusted dosage to maintain treatment efficiency with treatment dosage ranging from 30ppm and higher based on source water quality and field adjusted accordingly.

This product can be mixed into solution using an inline static mixer or a mechanical mixer with post filtration to remove flocculated solids.

\* Lab jar testing & pilot testing services are available for validation of application dosage rates.



### Applications:



- Drinking Water



- Wastewater



- Stormwater

### Zeoturb Liquid Flocculant Benefits:

- Greater Clarification Efficiency with Lower Post Treatment TDS levels versus traditional coagulants.
- Lower Application Dosages Rates versus Synthetic and Metal Treatment Coagulants/Flocculants with up to 50-60x lower treatment rates.
- Increased Filterability of the Flocculated Particles
- Lowers Suspended Solids/Turbidity levels faster than synthetic polymers and metal coagulants
- Reduces Solids Generation Volume post treatment
- Environmentally Friendly and Non Toxic with the ability of sludge solids to be land applied or safely disposed in a typical landfill without restrictions.

### Product Packaging:

Zeoturb liquid flocculant solutions is available in 275 gal (1039 L) totes.

### Typical Shelf Life:

12 months shelf life for maximum performance.

### Storage Requirements:

Store at room temperature, out of direct sunlight. Keep away from children.



### Certifications:

NSF 60 certification. Ingredients are FDA Generally Recognized As Safe (GRAS) Compliant

For assistance or requests for treatability testing services using our advanced ZEOTURB liquid flocculant treatment solution to optimize your drinking water, wastewater or storm water treatment applications, please reach out to us by phone or email us at [customersupport@genesistwatertech.com](mailto:customersupport@genesistwatertech.com)