



StormTAG

Stormwater Clarification

Purity and performance come first.

BENEFITS

- *All-natural*
- *Extremely low toxicity*
- *Economical*
- *Superior environmental friendliness*
- *NOEC greater than 10,000 mg/L*
- *Works over a wide range of soils*

Untreated stormwater runoff is known to have a significant impact on surface water quality, mainly from pollutants such as phosphorus, heavy metals and organic compounds from silts picked up by runoff from the disturbed soils of construction sites. The most cost-effective systems for treatment include a combination of chemicals and separation equipment. The right chemical treatment will not only improve treated water quality, but will also minimize the size and cost of the separation equipment. StormTAG is the first stormwater clarifier that exhibits the lowest eco-toxicity levels than any other product on the market. Typical treatment products such as Chitosan are known to exhibit inconsistent performance and difficult residual testing along with less than desirable toxicology. By combining both coagulant and flocculant properties, StormTAG has the ability to produce extremely low turbidity in the treated water and to create very dense solids that settle much faster or filter out more efficiently.



www.tagchemical.com/stormwater

The Amber Group, LLC
40 Red Rock, Suite 200
Irvine, CA 92604
Tel: 866.762.4060
Fax: 949.857.5003
www.tagchemical.com

Application Rates & Techniques

APPLICATION

As with all stormwater treatment systems, the application rates of StormTAG are entirely relational to the amount of suspended solids in the stormwater. Jar testing is recommended before any application to give the operator a sense of the needed feed rates.

The graph below is a guideline to our field experience and should be used as such, as each application will differ.

Influent Turbidity (NTU)	Treatment (ppm)	Gallons of StormTAG / 1,000 gallons water
1200	650	5.40 gal
700	500	4.17 gal
500	350	2.90 gal

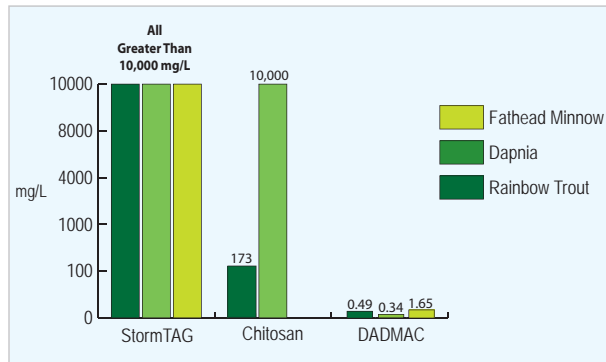
Application of StormTAG should be introduced so as to achieve maximum mixing. Unlike some of the other coagulants on the market, StormTAG does require a higher than usually Reynolds number to achieve full activation. TAG offers this product with an enzyme activator to enhance speed of coagulation and increased settling time in holding tanks.

The application of StormTAG and the resulting performance will duplicate or exceed any other product on the market to date. The reason for this is its ability to flash transfer positive charge sites to negatively charged particulates in the water and negativity charged filter media. This fleeting charge transfer is the functionality that reduces the toxicology of StormTAG to levels that are almost non-existent.

Application of StormTAG is consistent with the application styles of other products on the market today. There is no special equipment necessary to handle or feed StormTAG.

A very specific and easy to run field test has been developed to check for residual StormTAG in the effluent water from the treatment site. Unlike some of the other field tests, this is easily run with two reagents and a beaker. It has a definite color change end-point that leaves no doubt as to how much or how little StormTAG is remaining.

ECO-TOXICITY COMPARISON



For a free analysis of your stormwater, please send a sample to:
The Amber Group, 40 Red Rock, Suite 200, Irvine, California 92604,
or contact us at (866) 762-4060

ABOUT US

The Amber Group, LLC provides a complete line of erosion control, dust control, canal irrigation protection, hydroseeding and stormwater treatment products. We pride ourselves on the development of environmentally-friendly "green" products. Our erosion control products have been tested to show 98% erosion reduction with extremely low usage rates. We offer hydroseeding products including all-natural food additives and a tackifier, all designed with high resistance to rainfall and decomposition while assisting in seed germination. Our dust control products include applications to treat roadside construction, dusty roads, horse arenas and pads. We have recently developed stormwater treatment products combining excellent separation process enhancement with a new chemistry that is extremely safe to use for people and the environment.

For more information about StormTAG and our other products, please contact visit us at www.tagchemical.com.