

One-Component High Performance Turbid Water Treatment Agent

TG-Set

Turbid water treatment agent TG-Set is a high performance one-component flocculant. As TG-Set is a liquid, it can be directly added to turbid water and stirred to create agglomerated flocs for treatment. As agglomerated flocs have a fast rate of sedimentation, this enables simplification and miniaturization of facilities.



< Features of TG-Set >

As TG-Set is a liquid, it can be directly added to turbid water and stirred to create agglomerated flocs for treatment. In addition, as agglomerated flocs have a fast rate of sedimentation, solid-liquid separation can be processed in a short amount of time.

Also since TG-Set is a one-component agent having a fast rate of sedimentation, it is possible to simplify and miniaturize turbid water treatment facilities and further be used on highly alkaline turbid water, such as cement-based turbid water, without being neutralized.

It is also possible to correspond with changes in the concentration of turbid water by adjusting the additive amount.

< Applications of TG-Set >

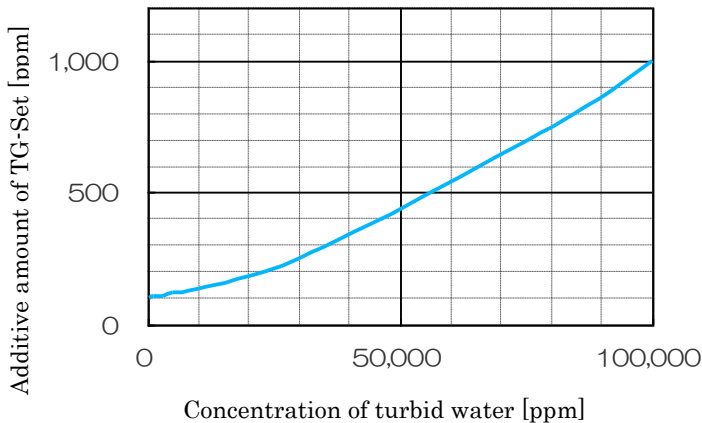
TG-Set is optimal for treatment of turbid water and muddy water in civil engineering and construction work that includes excavation, shielding, and site preparation. Normally, the additive amount of TG-Set per m³ of turbid water is 0.1 – 1.0 L.

* The above is not a definite value as effects will vary depending on the concentration of the turbid water and the turbidity components.

* Be sure to use the product after confirming the optimal additive amount by performing beaker tests in advance.

Guide of Additive Amount

Additive amount of TG-Set for cement-based turbid water



* ppm is short for parts per million and is equivalent to the number of grams per 1 m^3 . A concentration of 1,000 ppm for the turbid water means that there is 1,000 g of the turbidity component in 1 m^3 of the turbid water.

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Safety of the Product

Toxicity tests and analytical tests have been conducted in regard to safety of the product and safety has been proved.

1. Acute toxicity test: An acute toxicity test was conducted using Japanese killifish.

In a product concentration of 10,000 ppm, the survival rate of Japanese killifish was 100%.

2. Analytical tests: As a result of analytical tests conducted for arsenic, lead, cadmium, total mercury, total chromium, cyanogen, and PCB, none of these substances were detected.

Physical and Chemical Properties

Appearance: Clear liquid (colorless – pale yellow)
Specific gravity: 1.12-1.22
pH: Neutral (6 – 8)
Odor: None
Viscosity: 200 – 450 mPa·s

Delivered Packaging

20 L containing cardboard box (with rigid vinyl interior)

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