

BiOWiSH™ Water Treatment Products

Dosing Instructions

BiOWiSH™ is a proprietary composite biocatalyst that enhances a broad range of hydrolytic, oxidative and reductive biochemical reactions. BiOWiSH™ contains a novel consortium of metabolically cooperative microorganisms, with endogenous and exogenous enzymes, and small-molecule metabolic co-factors. BiOWiSH™ products are composed of all natural materials and are non-genetically modified.

All BiOWiSH™ products are easy to apply in the field. BiOWiSH™ water products can be applied directly as a solid or dissolved in water for liquid dosing.

Solid Dosing

Best for: Large bodies of water or any system having hydraulic retention times (HRT) longer than 24 hours. Dosing can be done daily, weekly or monthly (depending on what better fits each implementation).



Simply add the required amount of product into the body of water. The product is readily soluble in water and requires no activation or pre-mixing.



Dosing close to an inlet (as shown in this photo), into a flowing channel or into a pump suction chamber will guarantee adequate mixing.

In lagoons that have supernatant crusts or floating solids, avoid product loss by ensuring all the powder is dosed into the water.

Liquid Dosing

Best for: Open Systems (all WWTP, ETP and channels). Any water treatment unit—from SBR's to sequential reactors and oxidation ditches—can be dosed in this manner.

Prepare an active solution by dissolving the product in water (using a minimum of 10 litres of water per kg of product). Active solution is viable for 14 days and can be drip-dosed using a simple valve or carefully added using a dosing pump.



Dual IBC tote system (2000L combined capacity) dosing BiOWiSH™ Aqua into municipal STP raw inflow through a metering pump controlled by local PLC



Dosing cube (dosing pump + local PLC) seen attached to 1000L standard IBC



Dual tank setup (2000L combined capacity) drip dosing (gravity) through PVC tubing and spherical valves

Liquid dosing is also recommended when large surface areas need to be sprayed or for canals or river systems where multiple dosing points are necessary (depending on flow velocity and location of the tributary).



For further questions or implementations not covered on this guide, please contact:



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