

BiOWiSH® Odor Reduction

BiOWiSH® Odor Control application for Municipal Solid Waste

Landfilling remains the most common method of disposal for solid waste in urban areas. However, the environmental impact generated by these operations has always been a major issue with surrounding communities. Many times, these waste management sites are located very close to residential areas. In such cases, odor complaints from the neighbors are very common.

BiOWiSH® Odor has a proven capability to rapidly remove odor from newly deposited waste. When used in accordance with instructions, odor will be substantially reduced within minutes.

In addition to the odor reduction, BiOWiSH® Odor will also help to improve the quality of the Leachate generated. The accelerated decomposition of the organic matter reduces volume of waste increasing cell density, leading to longer potential life and value of the asset.

Data Collection:

- 1) Total tons of Fresh Waste entering the facility in a day
- 2) Type of Waste - Industrial/Domestic
- 3) Waste Composition (Organic/Inorganic)
- 4) Total area of the landfill site
- 5) Treatment steps in Waste processing



For Leachate Treatment, we recommend referring to wastewater data collection form (Questionnaire)

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Usage Instructions:

Spray an active mixture of BiOWiSH® Odor daily to newly deposited waste, prior to the application of any daily cover in accordance with the following steps.

- 1) Recommend dosage of BiOWiSH® Odor - 3g/tonne of waste.
- 2) Open package and mix BiOWiSH® Odor in water tank. The amount of water needed depends on the site. There should be enough water to guarantee complete coverage of all new received waste material during all hours of operation. Use a minimum of 50 L per kg of BiOWiSH® Odor.
- 3) To Facilitate dosing / Spraying of BiOWiSH® Odor on the waste, the pump outlet from the water tank should be connected to a hose and a variable range coarse spray nozzle should be used.

BiOWiSH® Odor will only deliver the desired effects if it is in contact with the received solid waste. Total coverage is needed for best results. **Note: For sites receiving less than 30 tons/day, a minimum of 100g BiOWiSH® Odor should be mixed into 100L of water and used within 48 hours.**

Warning:

BiOWiSH® Odor uses a coarse natural cereal bran as a carrier for its powerful biology. This bran is insoluble in water and will clog fine misting mechanisms. Positive displacement pumps and the use of filters are recommended.

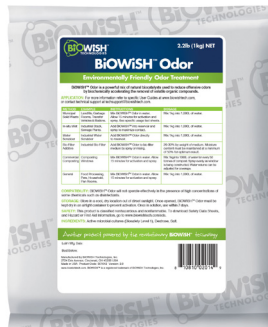
Benefits of Use:

- Rapid removal of odor emissions
- Effective on a wide range of volatile organic compounds (VOCs)
- Increases cell density
- Removes rather than masks odors
- Improves leachate quality to assist in meeting discharge standards requirements
- Cost effective dosage regime
- 100% natural, biodegradable and non-chemical
- Safe and easy to use
- Harmless to humans and the environment



Packaging:

- 3.3oz/100g
- 2.2lb/1kg
- 11lb/5kg
- 22lb/10kg



Storage:

Store in original packaging and keep in a cool, dry location out of direct sunlight and humidity to maintain shelf life. Once opened, BiOWiSH® odor must be kept in a dry and airtight container to prevent activation. Once mixed with water, the active mixture needs to be used within 24 hours.

Compatibility:

BiOWiSH® Odor will not operate effectively in the presence of high levels of chemical products such as disinfectants. It is recommended to discontinue the use of any chemical products 3 days prior to first using BiOWiSH® Odor.

Safe to Use

BiOWiSH® Odor has been tested by independent laboratories and confirmed to be a non-toxic, non-limiting, non-flammable, non-pathogenic and non-hazardous. For a copy of the SDS, please visit our website biowishtech.com



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