



Greenacle

Odor Treatment

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Instructions for Using Presentation

On the next slide you will see the table of content.

Each entry in the table is hyperlinked to the slide containing the required information. When you click on the table of content entry, you “will jump directly to the slide(s) containing information you want to see.

On each slide you will see in bottom right corner button “Table of Content”. If you “click” on that button you will get back to the table of content where you can make your next selection.

When you see in slide header number 1 in brackets (1), it means there is more than one slide with the information. In that case just click on slide, enter or right arrow to get to the next slide.

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About the Product

- Entire product line is certified “ORGANIC” in accordance with the laws and regulations of EU for production and labeling of products for human and animal usage.
- All our products are certified for sales and usage in ecosystems in all member states of EU without special permissions.
- Our product is based on fiber extracted from brown seaweed. After standard extraction process we apply our proprietary process to unlock cells (breaking cell shield). The cell core becomes directly accessible for microorganisms. This allows us to achieve far better results than competitive products based on brown seaweed.
- Main properties:
 - Color: dark brown.
 - State: liquid or granulate.
 - Smell: concentrate has strong smell that disappears within seconds when mixed with water;
 - Expiration: at least two years in original package, stocked on temperatures lower than 30 degrees Celsius. Low temperature are no issue. It can be freeze, defreeze and used.
 - Expiration when mixed with water: product must be used within 48 hours after mixing with the water. After that effects might be reduced or lost.
 - Although the product is harmless for humans, animals, insects, plants and soil, we recommend to keep it out of reach of children and to use eye and respiration protection when spraying.

How it Works – Odor Treatment

- The product is improving activity of bacteria in every natural environment.
- When using solution, “good” bacteria are multiplying 20-200 times in very short time frame. It means they perform their natural role more actively by degrading noxious gasses (ammonia, sulfides, and similar).
- When natural role of bacteria is completed the bacteria count will return to the natural balance.
- We do not introduce any new species in the environment, rather, we use existing bacteria, which we multiply in numbers.
- In principle, the same will happen in the regular natural way, we just speed up the process 20-200 times!
- During the odor treatment the following will happen:
 - Ammonia (NH_3) is transferred to ammonium NH_4 ,
 - Sulfur is encapsulated by water, it falls on the floor where degradation and saturation continues.
 - This prevents odor from rising into the air, hence preventing the smell.
 - With the regular usage in depots you will achieve long term odor removal and at the same time improved degradation of bio-waste.

Solution Preparation

Preparation

**Click above to watch
the movie**

- Add to the container required volume of water for the treatment.
- Add to the water Greenacle “Odorless” concentrate in the ratio specified for specific treatments. Concentrate has strong smell that will disappear within seconds once mixed with the water.
- **Always add concentrate to the water and not vice versa!**
- Wait for few minutes and solution is ready for usage.
- Fill the sprayers with the solution and perform the treatment.
- **Product must be used within 48 hours after mixing with the water. After that effects might be reduced or lost.**

Application and Effects

Communal depot
treatment – reducing
odor and composting

**Click above to watch
the movie**

- Spray the solution in “foggy manner”, as high in the air as possible, and let it fall to the ground.
- Spray as high as possible so you cover bigger volume of air with the odor.
- You can spray with automatic spraying systems or manually (see video).
- When spraying odor molecules will be encapsulated with water and odor will be reduced or completely removed within 10-15 minutes.
- When solution falls on the waste it will start bio waste degradation process. Dependent of percentage of bio-degradable waste, you can reduce (degrade) up to 20% of waste volume within 7 days and up to 40% in 14 days. To achieve considerable results on waste biodegradation, the quantity of solution per cubic meter of waste need to be enlarged as advised.

Dosing and Effects on Depots - Odor

Product: Greenacle Odorless concentrate

Solution ratio: 500:1 (500 units of water : 1 unit of concentrate)

50 l of water : 100 ml of concentrate

5 l l of water : 10 ml of concentrate

Quantity per surface:

It is difficult to predict how much of the solution you need to apply and how frequently, as it is dependent of what kind of waste you have, how fresh is it, is it in close or open areas, etc. We suggest to start by applying 2 ml of additive diluted in 1 l of water /m² of waste for waste odor treatment.

Adjust quantity and timing of repeating appliances dependent of the waste treated until you achieve the optimal results. The smell will “come back” in time, which is again dependent of the type of waste, freshness, etc. Therefore the timing needs to be adjusted to every specific case.

It is important to spray the solution as dispersed as possible and high in the air. In this way the solution will capture more particles of noxious gases and degrade them on the floor.

Effect:

Reducing or completely eliminating odor within 10-15 minutes.

Dosing and Effects on Depots - Degradation

Product: Greenacle Odorless concentrate

Solution ratio: 200:1 (200 units of water : 1 unit of concentrate)

20 l of water : 100 ml of concentrate

2 l l of water : 10 ml of concentrate

Quantity per surface:

Apply 200 ml of additive diluted in 40 l of water /m³ of waste for waste degradation. Effective depth is up to 2 meters. Treatments are repeated every 1-2 weeks – according to the influx of newly-introduced waste. Adjust quantity and timing of repeating appliances dependent of the waste treated until you achieve the optimal results.

Effect:

Biomass degradation up to 20% in 7 days and up to 40% in 14 days (depends of bio degradable waste mass percentage).

Dosing and Effects –Vehicles Washing

Product : Greenacle Odorless concentrate

Solution ratio: 200:1 (200 units of water : 1 unit of concentrate)

20 l of water : 100 ml of concentrate

2 l of water : 10 ml of concentrate

Quantity per surface: Spray in the manner that the containers “get wet” (no need to “flow”, simply wet is enough), approximately 1 -2 dl per m² surface. Wash the vehicle after 30 minutes with “wup” (water under pressure).

Effects:

Reducing or completely eliminating odor within 10-15 min.

Containers will remain odorless until new waste is placed into the vehicles.

Grease and dirt will catch less on the vehicle surface.

Degradation process will continue in the waste water that flows into the canalization and water will become “biologically sound”.

Questions and Feedback

Please feel free to contact us with any questions you might have. We will do our best to provide timely replies and explanations.

We will highly appreciate any feedback from your side. Please let us know your good or bad experiences with our products.

We are confident our product works. If desired effects are not achieved it is usually due to the wrong application. If you do not observe desired results please let us know to send you corrective instructions. We will use your feedback to try to improve our documentation in order to prevent similar issues in the future - thanks