

VERDE ENVIRONMENTAL, INC.

HOME OF

Micro-Blaze®

MICROBIAL PRODUCTS

Micro-Blaze®

F O G

Fats, Oils, & Grease

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"PARTNERING WITH NATURE FOR A CLEANER TOMORROW"



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Product Details

Appearance:

Tan, opaque Liquid

pH:

7.0 - 8.0

Shelf Life:

10 Years

Storage:

Avoid temperatures under 32° F or above 120° F for long periods of time. Keep from prolonged freezing.

Packaging:

5-Gallon Pail

55-Gallon Drum

275-Gallon Tote

Micro-Blaze®

FOG

Fats, Oils, & Grease

Micro-Blaze® FOG is a safe, microbial formulation for treatment of Fats, Oils, & Grease in the restaurant and wastewater industries. It is a non-toxic formulation of biological activators and specifically selected, non-pathogenic microbes that solves problems caused by a buildup of fats, oils, and grease. **Micro-Blaze® FOG** eliminates odors, degrades waste, keeps septic systems operating at their optimum, and even cleans floors. It also reduces floating organics, TSS, COD, BOD, and NH3N levels.

Uses:

- Wastewater
- Restaurants
- Kitchens
- Restrooms
- Drains
- Septic Tanks
- Military

Benefits:

- Odor Control - eliminates odors by digesting the organic particles that cause odor
- Load Reduction - microbes digest fats, oils, and grease in collection systems causing wastewater treatment plants to operate more efficiently
- Sludge Reduction - by reducing sludge, sludge disposal costs are greatly reduced

Micro-Blaze® FOG has been tested and is Certified by NSF International as a compound for use as a floor and wall cleaner [A4] for use in all non-food contact areas, and for drain and sewer treatment [L2].

Lift Station Before & After Micro-Blaze® FOG



BEFORE



AFTER

Fats, Oils, and Grease can overwhelm a collection system. This can cause problems with pumps, floats, and line obstructions. **Micro-Blaze® FOG** will eliminate these problems - saving time and money!

In Use World-Wide

Municipal Wastewater Applications

Micro-Blaze® FOG is used in municipal collection lines, lift stations, and wastewater treatment plants to keep lines free flowing, reduce odors, and allow the wastewater treatment plant to operate more efficiently and effectively by treating the waste before it gets to the plant.

Micro-Blaze® FOG does not simply transfer the problem downstream; it actually degrades and digests grease and scum from collection lines and lift stations. The result is reduced load on the wastewater treatment plant and sludge reduction by up to 50%.



Application Rates for Municipal Use

Micro-Blaze® FOG should be introduced into the collection line as far upstream as possible from the Wastewater Treatment Plant.

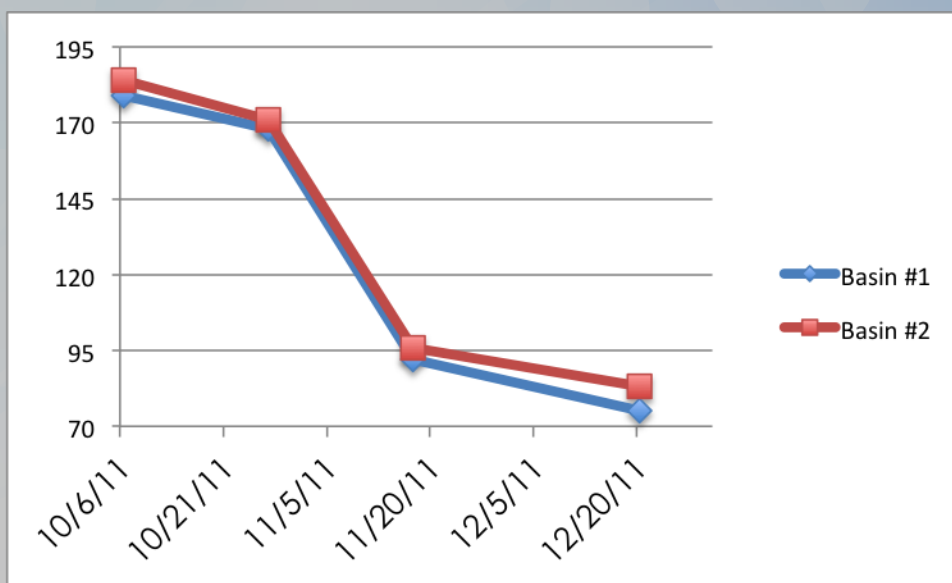
Dosing Rate:

- 1.5 gallon/million gallons of influent /24-hour period
- Administered daily manually into a manhole upstream or through a metered system
- After a few months of treatment, the daily maintenance dosage can many times be cut in half

Wastewater Treatment Plant Results

Sludge Reduction

Most wastewater treatment plants using **Micro-Blaze® FOG** in their collection systems leading to the plant have experienced a 40% to 50% reduction in sludge volume. This has resulted in significant savings in sludge hauling costs and much more efficient wastewater treatment plant operations. The following is actual data results from a Texas city after starting a daily dosage of **Micro-Blaze® FOG**.



Date

Sludge Volume Index (SVI)

	<u>Basin #1</u>	<u>Basin #2</u>
10/6/2011	179	184
10/27/2011	168	171
11/17/2011	92	96
12/20/2011	75	83

Typically very sudden and dramatic results of sludge reduction will be seen in the 3 - 6 week time-frame after beginning **Micro-Blaze® FOG** treatment.

Restaurant & Kitchen Use

Build-up from fats, oils, and grease in restaurant floor drains and sanitary lines can cause unwanted odors and back-ups. **Micro-Blaze® FOG** completely biodegrades fats, oils, and greases and also eliminates scum and odor problems on the floors and other drain lines. When used regularly as part of a restaurant/kitchen maintenance program, it will reduce cleaning costs, help maintain regulatory compliance, and provide a safer, cleaner, and more pleasing environment for employees and patrons alike. **Micro-Blaze® FOG** can also be applied in and around dumpsters, trash cans, delivery entrances, and in and around toilets to keep these areas clean and free of organic waste spills.

Micro-Blaze® FOG is acceptable through NSF International for use as a bacterial drain and sewer treatment (L2) suitable for use in and around food processing areas. **Micro-Blaze® FOG** is also acceptable for use as a floor and wall cleaner (A4) in and around food processing areas, with potable water rinsing. Not for use on food preparation surfaces.



Application Rates for Restaurant & Kitchen Use

- Pump out the grease trap prior to starting initial treatment
- Prime grease trap by adding 1 quart of **Micro-Blaze® FOG** concentrate directly in the floor drain that goes into the grease trap
- Daily dosage thereafter at a minimum of 20 ounces/day up to 32 ounces/day of **Micro-Blaze® FOG** concentrate, depending on the number of meals prepared per day and volume of grease trap. May also be dispensed by automatic pump system, by floor mopping, or by a combination of the two. Apply **Micro-Blaze® FOG** with an automatic pump dosing unit to ensure proper dosages on a daily basis.
- **Micro-Blaze® FOG** can also be used in the mop bucket by adding 20 ounces - 32 ounces to the water in a standard commercial size mop bucket (35-44 quart capacity) to mop floors. After mopping, pour the remaining contents of the mop bucket down the floor drain to treat the drain line and the grease trap.

Other Micro-Blaze® Microbial Products

Micro-Blaze®

Emergency Liquid Spill Control

Micro-Blaze Out®

Micro-Blaze Out Plus®

AR AFFF 3% x 3%

Micro-Blaze®

AGRO

Micro-Blaze®

A P T

AQUATIC POND TREATMENT

Micro-Blaze®

BudKicker

Micro-Blaze®

C S R

Concrete Stain Removal

Micro-Blaze®

Non-Formulated



Micro-Blaze®

Turf Care

For more information regarding the above products please see our Product Catalog or contact our office

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