



Marine Diesel & Transportation Diesel Microbial Growth Remover

The effectiveness of Clean Boost® Anti-Microbe in killing and inhibiting microbial growth is determined somewhat by the rate of prolific growth. Clean Boost® Anti-Microbe is formulated such that once a growth problem is brought under control a concentration level of about .018 grams per gallon of treated fuel is maintained. This is high enough to inhibit further microbial growth even for the organisms that are hardest to kill. The most effective time to treat a fuel and prevent prolific growth is upon addition of fresh fuel to the storage tank. The quicker kill time and greater resistance to hydrolysis allow Clean Boost® Anti-Microbe to attack and kill a wide range of microbial growth.

Treat ratio is 1:10,000 (1-gallon of Clean Boost® Anti-Microbe to 10,000 of # 2 Diesel or Bio-Diesel)

Kill time. When separated, one compound requires 8 hours to achieve a 100% kill while another requires 10 hours to achieve an 80% kill. Due to the synergism obtained when all the individual compounds are combined in the Clean Boost® Anti-Microbe, a complex 100% kill requires only two hours. This is far quicker than even the fastest rate of hydrolysis that occurs at a pH of 9.

Clean Boost® Anti-Microbe formulation prevents microbial growth at the fuel-water interface in storage tanks. Microbial growth causes tank side corrosion problems, fuel instability, and filter fouling due to sludge and sediment formation. Clean Boost® Anti-Microbe will help stabilize your fuel which will keep your equipment running longer and smoother.

Clean Boost® Anti-Microbe water and sludge dispersant components prevent particle agglomeration and sludge formation, which are the most common causes of plugged filters and screens and penetrate and disperse existing sludge formation, so it can be burned with the fuel. These components will also prevent or minimize phase separation and stratification in fuel storage tanks. Dispersant activity is synergistic with biocide activity in preventing bacterial and fungal growth at the fuel-water interface and thus we highly recommend using Clean Boost® Diesel Additive along with Clean Boost® Anti-Microbe in your marine and storage applications.

The most common bacteria, Fungi, and algae against which Clean Boost® Anti-Microbe is effective are listed as follows:

- **Fungi:**

Aspergillus foetidus, Aspergillus niger, Aspergillus oryzae, Aureobasidium pullulans, Chaetomium globosum, Fusarium oxysporum, Giliocladium fimbriatum, Mucor rouxii, Penicillium chrysogenum, Penicillium pinophilum, Penicillium chrysogenum, Penicillium pinophilum

- **Bacteria:**

B.subtilis, D.desulfuricans, E.aerogenes, E.coli, P.aeruginosa, R.rubra, S. aureus

- **Algae:**

Chlorella pyrenoidosa, Oscillatoria proliferia, Scenedesmus obliquus, Phorimidium inundatum, Chlorococcum – hyposporm

Combined with our Combust® Fuel Filters, your marine equipment will run longer, healthier and with less downtime.