

TECHNICAL DATA SHEET

ROX[®] DIESEL BIOATTACK (4300)

Code 8275

Provides Long-Term Diesel fuel maintenance

DESCRIPTION

Rox Diesel BioAttack is a potent biocide for killing and preventing the regrowth of most types of organisms that grow in diesel fuels and diesel fuel tanks. Similarly, Rox Diesel BioAttack acts as a fuel tank corrosion inhibitor and fuel lubricant. It is effective against most types of organisms found in diesel fuel. It is particularly effective against *Cladosporium resinae* (a hydrocarbon utilising fungus), as well as bacteria, yeasts, and other fungi. Being 100% organic, Rox Diesel BioAttack leaves no ash on combustion.

FEATURES AND BENEFITS

- Effective as a 'quick-kill' on biocide and provides long-term diesel fuel maintenance
- Kills microbes (bacteria and fungus) that grow in dispersed and free water associated with diesel fuels
- Prevents fuel-filter plugging, which helps prevent fuel system failures
- Reduces engine maintenance costs
- Protects fuel system components against organic acids created by microbial growth
- Effective in all diesel fuels, including Ultra Low Sulfur Diesel (ULSD), biodiesel and biodiesel blends
- Prevents fuel tank system corrosion through use of effective corrosion inhibitors

DIRECTIONS OF USE

The recommended treat rate is 1:1000 for the initial first time (shock) treatment and 1:4500 to 1:5000 for subsequent treatments. Great value for money 300ml treats up to 1500L.

Add 1 part of Rox Diesel BioAttack to 1000 parts of Diesel for the first treatment before filling up the tank; new fuel will mix and agitate Rox Diesel BioAttack through the fuel to give a homogeneous dispersion.

For subsequent treatment, add 1 part to 5000 parts of Diesel to every fill to ensure no further growth can occur.

Note: Watch Filters – Check your filters regularly once you have started treating a contaminated fuel system. Once the Rox Diesel BioAttacks kill the organisms, they will dislodge from the sides and bottom of the fuel tank and the pipes and mix with the fuel, passing to the filter.



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Clean out filters regularly

Dosage Ratio

200ml of Rox Diesel BioAttack treats 1000 litres of fuel, or a 1 litre of Rox Diesel BioAttack treats 5,000 litres of fuel.

AREAS OF APPLICATION

- Decontaminating on-site fuel storage and tank facilities
- To eliminate and prevent the growth of bacteria in fuel tanks of cars, trucks, and boats

FUEL CONTAMINATION CAUSES

Water commonly enters fuel storage tanks through faults in plumbing or condensation.

Bacterial or fungal growth in diesel fuel cannot occur unless water is present. Micro-organism such as *Cladosporium resinae* propagate in water at the fuel-water interface and use the fuel as a food source.

Escherichia Coli in severe cases of contamination, produces high levels of waste product, spores and dead cells which can form a sludge which in turn causes filter blockage and corrosive acidic deposits.

Fuel tank maintenance requires removing as much water as possible and regular treatment using a biocide such as Rox Diesel BioAttack. Such a maintenance programme will ensure fuel tank corrosion is minimised and will provide savings due to potential downtime of machinery, cost of filter replacement, and prevention of damage to engine components.

Rox Diesel BioAttack at the recommended dosage will effectively kill and allow no growth of bacteria (algae, bacteria, yeast, moulds, and fungi) in diesel fuel. The product should be used continually to prevent the reformation of this growth.

PHYSICAL PROPERTIES

Appearance colour:	Clear amber liquid
Density:	0.832 +/- 0.02
Flammability:	Combustible
Character	Hydrocarbon petroleum solvent

ORDERING INFORMATION

8275/300	300ml
8275/30	1 litre
8275/42	5 litres
8275/51	20 litres
8275/64	200 litres

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