

TECHNICAL DATA SHEET

DIESEL FUEL BIOCIDES (ROX® 4300)

Code 8275

Kills a Wide Range of Bacteria Fungi and Mould

DESCRIPTION

Diesel Fuel Biocide is a potent biocide for killing and for preventing regrowth of most types of organisms which grow in fuels. Similarly, ROX® 4300 acts as a fuel tank corrosion inhibitor and fuel lubricant.

Diesel Fuel Biocide is effective against most types of organisms found in fuel; it is particularly effective against *Cladosporium resinae* (a hydrocarbon utilizing fungus); as well as against bacteria, yeasts and other fungi. Being totally organic, Diesel Fuel Biocide leaves no ash on combustion.

Causes of Fuel Contamination

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-organisms such as *Cladisorium 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 sludge which in turn causes filter blockage and corrosive acidic deposits.

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

Diesel Fuel Biocide at the recommended dosage will effectively kill and allow no growth of the following

FEATURES & BENEFITS

- 100% organic, leaves no ash on combustion
- Also acts as a fuel tank corrosion inhibitor & fuel lubricant
- Kills a wide range of bacteria, fungi and mould

Bacteria:

Pseudomonas Aeruginosa
Aerobacter aerogenes
Salmonella typhii
Staphylococcus aureaus
Proteus vulgaris
Streptococcus faecalis
Desulfovibrio aestaurii

Fungi & Mould:

Fusarium moniliforma
Trichophyton metagrphytes
Cephalosporium species
Cladosporium herbarum
Cladosporium resinae



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Aspergillus niger
Penicillium velutinum
Yeast (Candida albicans)

Sulphate reducing Bacteria: Desulfovibrio desulfuricans

DOSAGE RATIO

200ml of Diesel Fuel Biocide treats 1,000 litres of fuel, or 1 litre of Diesel Fuel Biocide treats 5,000 litres of fuel.

METHOD OF USE

Add required amount to fuel tank prior to filling up tank; addition of new fuel will mix and agitate ROX® 4300 through the fuel to give a homogenous dispersion.

Dose the fuel every time you put fresh fuel into the tank otherwise bacteria growth may start again.

NOTE: WATCH FILTERS - Once you have started treating a contaminated fuel system check your filters regularly. Once the Diesel Fuel Biocide kills the organisms, they will dislodge from the sides and bottom of the fuel tank and from pipes and mix with the fuel, passing to the filter. Clean out filters regularly.

PHYSICAL PROPERTIES

Character: hydrocarbon petroleum solvent
Appearance: clear and amber liquid
Specific Gravity: clear
Shelf life: 24 months if stored in closed drum

ORDERING INFORMATION

Product Code	Packaging
8275/30	1 litre
8275/39	4 litres
8275/51	20 litres
8275/64	200 litres
8275/1000	1000 litres

SAFETY PRECAUTIONS

Avoid contact with skin and eyes. If poisoning occurs, contact a Doctor or Poisons Information Centre.

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