

TECHNICAL DATA SHEET

ROX™ 4600

Code 8280

Fuel Biocide & Total Fuel Treatment

DESCRIPTION

ROX™ 4600 is a powerful fuel biocide formulation, proven in Australian conditions, to kill and to prevent re-growth of organisms which grow in fuels.

ROX™ 4600 kills a range of organisms such as cladosporium resinae, bacteria, yeasts and fungi.

ROX™ 4600 formula also includes multifunctional treatments for corrosion inhibition, lubrication and dispersant, detergent functions ensuring increased and cleaner combustion efficiency.

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 Cladosporium resinae propagate in water at the fuel-water interface and use the fuel as a food source.

In severe cases of contamination, high levels of waste products spores and dead cells can form sludge which cause filter blockage and also produce corrosive acidic deposits.

Fuel tank maintenance requires removal of as much water as possible and regular treatment using a biocide such as ROX™ 4600.

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.

ROX™ 4600 at the recommended dosage will effectively kill and allow no growth of the following:

Bacteria: Pseudomonas Aeruginosa
Escherichia Coli
Aerobacter aerogenes
Salmonella typhii
Staphylococcus aureaus
Proteus vulgaris
Streptococcus faecalis
Desulfovibrio aestaurii

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Fungi & Mould: Fusarium moniliforma
Trichophyton metagrphytes
Cephalosporium species
Cladosporium herbarum
Cladosporium resiniae
Aspergillus niger
Penicillium velutinum
Yeast (Candida albicans)

Sulphate
Reducing Bacteria: Desulfovibrio desulfuricans

SPECIFICATION

Character : hydrocarbon base
Appearance : clear brown liquid
Specific Gravity : 0.83 gms/ml at 20°C
Packing : 20 litre, 200 litre and 1000 litre containers
Shelf Life : 24 months if stored in closed containers

DOSAGE RATIO

1 litre of ROX™ 4600 treats 1,000 litres of fuel.

DOSAGE METHOD

Add required amount to fuel tank prior to filling up tank; addition of new fuel will mix and agitate ROX™ 4600 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 ROX™ 4600 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.

SAFETY PRECAUTIONS

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

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