



Product Data

Castrol Fuel Doctor®

Fuel Conditioner

Description

CASTROL FUEL DOCTOR® is a fuel conditioner, blended from oxygenated hydrocarbon solvents and emulsifiers. It has been formulated to disperse and prevent the accumulation of aerobic fungi growth and sulphate reducing bacteria in hydrocarbon fuels; convert accumulated moisture into microscopic particles, and dissolve gums and varnish. These contaminants are permanently suspended allowing them to pass through the combustion process with no detrimental effects to system components. **FUEL DOCTOR®** will promote optimum engine operation through improved injector and combustion efficiency, improve filter performance leading to better fuel economy.

Application

Used in fuel storage, fuel handling systems and fuel service tanks. Suitable for diesel, unleaded petrol, leaded petrol, two stroke and high octane racing fuels.

Any user of fuel can potentially benefit from use of **FUEL DOCTOR®**, but the largest beneficiaries include:

Transport & rail fleets – high volume of fuel consumed maintains vulnerability to problems

Agriculture – poor in-field fuel delivery systems, high opportunity for bacterial spore ingress due to presence of both soil and water

Mining and Earthmoving Equipment - poor in-field fuel delivery systems, high opportunity for bacterial spore ingress due to presence of both soil and water

Marine – the ideal setting for infection re-occurrence – high humidity, imperfect fuel storage & delivery, poor fuel purging facilities and natural agitation of fuel to water interface.

Standby Generators – low use, damp, hospitable conditions for fungi, lack of regular fuel maintenance and testing

How to Use

- ◆ Wherever possible, be sure to drain free water and contaminated fuel from the bottom of the tank before treating with **FUEL DOCTOR®**
- ◆ Always add **FUEL DOCTOR®** to the fuel tank immediately before filling to maximum capacity with fuel.
- ◆ Maximum mixing of the **FUEL DOCTOR®** and fuel will occur when added to fuel tanks with the minimum amount of fuel in them before filling.

Application	First Treat (mL/100L fuel)	Subsequent Treats (mL/100L fuel)	On Going Maintenance Treats (mL/100L fuel)
On road trucks, buses and cars	500	-	25
Earthmoving and agricultural equipment	500	-	25
Marine equipment	1,000	500, then 250, then 100	50

Fuel Doctor®
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- ◆ Severe contamination may require doses greater than 1000 mL/100L shock doses or several shock doses. For severe cases and applications not listed above call The Fuel Doctors on 1800 675 077 for further advice.

Product Compatibility

FUEL DOCTOR[®] will have no detrimental effect on oxygen sensors, O rings, catalytic converters or finely machined injector components.

Customer Benefits

- ◆ Cleans and prevents gum and varnish formation throughout the fuel system.
- ◆ Disperses moisture.
- ◆ Improves the delivery and combustion of the fuel decreasing exhaust emissions and improving fuel economy.
- ◆ Eliminates particle build up at injectors.
- ◆ Disperses and eradicates biological growths..
- ◆ Reduces filter blockage.
- ◆ Maintenance dosing removes contaminants on a continuous basis and inhibits microbial growth and keeps the fuel system clean.
- ◆ Also provides upper cylinder lubrication qualities.
- ◆ Extremely economical in use – maintenance dose costs approximately 0.75 cents per litre of fuel.

Technical Data

Density (kg/l)	Flash Point Closed Cup (°C)	Boiling Point (°C)	pH
0.94	>125	>250	6 - 8

Health Safety & Environment

FUEL DOCTOR[®] is classified as Hazardous according to criteria of NOHSC. It is irritating to skin, R38 and can irritate to eyes, R41. Fuel Doctor is a class 9 dangerous good, environmentally hazardous substance, not otherwise specified. It is a Class 1 Combustible Liquid for the purpose of storage and handling. Store in a cool, dry, well-ventilated area out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials such as oxidising materials and explosives. Reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Airborne mists of this product may ignite in the presence of an ignition source.

Spillage: SMALL - 20 LITRES OR LESS
Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.
LARGE - GREATER THAN 20 LITRES
Contain as soon as possible, remove by best means available and arrange recycling (preferred) or disposal through an approved facility.

Disposal: New or used solvent must not be allowed to enter the ground, ground water, water courses, sewers or drainage systems. Advice may be sought from the Environmental Protection Authority or from the local waste disposal authority.

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