

DAB Diesel Anti bacteria

The admission number issued by Ctgb is 15122 N
Ctgb (College for the Authorization of Plant Protection Products and Biocidal Products).

The main problem that biodiesel brings is moisture/ water. Biodiesel absorbs much more water (up to 8x more because biodiesel is hygroscopic) than the EN590 diesel oil of yesteryear. Moisture in fuel is immediately a source of problems.

How does moisture get into the fuel tank?

Temperature fluctuations, dark rooms, long storage (e.g. after a winter) and poor sealing of the fuel filling opening ensure that moisture or condensation is given a chance in fuel tanks. Now there's always a percentage of moisture in fuel. However, diesel can absorb up to 0.02% water.

If there is more than 0.02% moisture in the diesel, this will slowly sink to the lowest point of your fuel tank. An excess of moisture reduces the lubricating effect of the diesel fuel and will eventually lead to bacterial growth. These bacteria need to be removed before they clog the fuel filter and stop your engine from running.

Biodiesel is good for the environment but brings a lot of problems for storage tanks, engines, filters, pipes etc.

The solution

To effectively combat the growth of bacteria and fungi, a product has been developed that is specially grafted on preventing the formation of bacteria and fungi.

Bardahl Diesel Anti Bacteria has already proven itself in the world of boats and yachts where it is used to prevent the formation of harmful substances during longer periods of non-use.

More and more often it is also necessary to protect used diesel tanks from, for example, trucks and motorhomes on a daily basis.

Product properties

- Protection for diesel fuels and technical products
- Good anti-corrosive properties and long-term protection against microbiological material degradation
- Broad and balanced property spectrum (including sulphate-reducing bacteria)
- Contains no nitrate, nitrizing agents or organically bound chlorine (has no effect on the AOX value)
- Approved by the "Bundes Immissionschutzgesetz"*
- Good solubility in diesel fuel and water
- Bacteria and antifungal properties
- Fast operation

German law to protect emissions and uptake



Manual

- Protective treatment 0.05–0.20 l/1000 l diesel
- Cleaning of contaminated diesel 0.20–0.50 l/1000 l diesel
- Shock dosage 0.5 – 1.0 l/1000 l diesel

Case study

Due to the good stability of Diesel Anti Bacteria in diesel, more than 80% of the initial concentration was measurable after three months of storage at room temperature.

Instructions for use

Diesel Anti Bacteria is best added to a dewatered tank that is filled for about a third. When the tank is filled, the product mixes. The dosage should be adjusted to the contents of the tank.

In case of strong contamination, it is recommended to clean the tank before using **Diesel Anti Bacteria**.

Dosage of light contamination: 0.2 - 0.5 ml per liter of fuel
Between 1:2000 (10ml per 20ltr fuel) and 1:5000 (10ml per 50ltr fuel)

With visibly microbiologically contaminated diesel fuels. Dosage of heavy contamination: 0.5 – 1.0 ml per liter of fuel
Between 1:1000 (10 ml per 10ltr fuel) and 1:2000 (10 ml per 20ltr fuel)

Analysis data

Test	Results
Color	Clear, colourless - yellowish liquid
Smell	As ammonia
Density (20 °C)	1.049 – 1.069 g/ml
Refractive index (20 °C)	1.469 – 1.477
Flashpoint (ISO 2719)	> 100 °C
Viscosity (DIN 53 211)	Flow time < 15 sec (20 °C)
Splittable formalhyde(%)	44,5-49.5

Item number 2605
Content 500 ml

Item number 2610
Content 10 litres