



masteroil

## Technical Data Sheet

### masteroil Diesel Fuel Flow Protection

Art.-No.: 0055301802250

#### Technical Data

Appearance:	clear yellow liquid
Density (g/cm <sup>3</sup> ):	0,89 (at 15°C)
Viscosity (mm <sup>2</sup> /s):	6,33 (at 20°C)
Flash point (°C):	> 61
Pour Point (°C):	-15

#### Ingredients:

Performance additive for improving the flow properties of mineral oil during cold period. The formulation allows optimum miscibility even at low temperatures.

#### Product description:

Performance additive for diesel engines. For middle distillates and their mixtures with up to 20% biodiesel. The fuel properties acc. to DIN spec will be not affected. Improves the cold flow properties of fuel. A CFPP temperature reduction of up to 10 ° C can be achieved with a dosage rate of 1000 ppm.

*\*CFPP= Cold Filter Plugging Point (the temperature at which, under standardized conditions, a cooled oil sample no longer passes through a filter mesh of a predetermined size)*

#### Field of Application:

masteroil Diesel Fuel Flow Protection is designed for regular application during cold period and suitable for all diesel engines. The product is not cloudy even in the cold. However, the viscosity increases. Ensure thorough mixing (e.g., by a mixing device). Mixing under the cloud point of mineral oil significantly reduces the efficiency. Undissolved wax crystals can only be dissolved again by heating.

#### Benefits:

Diesel fuel contains paraffin which promotes clean combustion and lubricates the fuel system components. At low temperatures, however, paraffin forms crystals. If the temperature falls, more and more crystals form and coalesce into lumps which then block the fuel lines and fuel filter.



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The active components in masteroil Diesel Fuel Flow Protection „enclose“ the crystals, thus preventing their growing and coalescing with other crystals. In addition, the additive forms crystallization center which encourage the formation of large numbers of small crystals that can then easily pass through the fuel filter.

#### **Product advantages:**

- ✓ Increases cold-running reliability of all diesel fuels
- ✓ Keeps paraffin crystals small to ensure filtering
- ✓ Increases the operational reliability of diesel vehicles in winter
- ✓ Suitable for all diesel fuels

#### **Application:**

The fuel temperature should be higher than 0 °C when adding the additive. The additive can be added before or after refuelling. Dosage 1:1000, which is 50 ml additive for 50 litres of diesel fuel.

#### **Dosage:**

Recommended dosage rate 1000 mg/kg (1:1000)

Dosage rate: 500-2000 mg/kg (1:2000 to 1:500), depending on the matrix, and the desired reduction in CFPP. A temperature drops of 8 to 12 °C can be achieved at a rate of 1000 mg/kg. Higher dosages up to 2000 mg/kg are unproblematic.

#### **Supply form:**

The additive is available in a 250ml dosage bottle.

#### **Storage:**

Store in a dry place at room temperature, temporarily higher temperatures are unproblematic. Opened containers should be resealed correctly. Avoid storage in direct sunlight. The shelf life of the products is 24 months minimum. Empty containers should be properly disposed.

#### **Safety Considerations:**

For detailed handling precautions see masteroil safety data sheet No. 1827

#### **User instructions:**

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