

TECHNICAL DATA SHEET

DESCRIPTION

Additives of the MECSOFLOW D series cold flow improvers are designed to modify paraffin crystals, which allows to reduce both CFPP and Pour Point of diesel fuels and light heating oils, as well as to prevent paraffin sedimentation during storage of diesel fuels at temperatures below the cloud point.

COMPOSITION

Mixture of ashless polymers and busters dissolved in a petroleum aromatic solvent.

TECHNICAL PROPERTIES

The typical properties of MECSOFLOW D series are listed in below table.

APPEARANCE	Homogeneous turbid liquid from light yellowish to light brown
SPECIFIC GRAVITY at 50°C, kg/m ³	820-870
POUR POINT, °C	About minus 10
FLASH POINT, °C	Above 61°C
VISCOSITY at 50°C	About 30,0 mm ² /s (cSt)

APPLICATION

- Typical additive dosage ranges from 50 to 500 g/t, depending on characteristics of the fuel and the parameters that need to be achieved.
- The temperature of the MECSOFLOW D series additive when added directly to the fuel should be not lower than 40 °C, while the fuel being processed must be heated to temperatures 40-60 °C. The most favorable for introducing additives into diesel fuel temperature is 50-60 °C.
- Pipelines through which undiluted additive is pumped should be heated to a temperature of 30-40 °C.
- MECSOFLOW D series additives are fed directly into the middle distillate stream undiluted or as a working solution. Middle distillates and aromatic hydrocarbons are suitable as solvents for the preparation of working solutions of MECSOFLOW D series additives. Dilution of the additive requires constant stirring but may not require heating.
- The temperature of MECSOFLOW D series additives at direct injection into fuel should not be lower than 40 °C, at the same time the treated fuel should be heated to the temperature of 40-60 °C. The most favorable temperature for injection the additive into diesel fuel is 50-60 °C.

PACKAGING AND STORAGE

MECSOFLOW D series additives can be stored for at least one year. The storage temperature of the undiluted product should not be lower than 20 °C but also not exceed 50 °C. Short-term heating of the additive to a temperature of 80 °C during storage or draining/loading does not affect the effectiveness of the product. In case of prolonged storage of the additive without its use (in summer), the heating of the additive can be switched off. Before resuming the use of the additive, it must be heated again to a temperature of 50 °C and mixed effectively.

MECSOFLOW D series additives can be supplied in bulk in tank-containers, as well as in IBC cubes and metal drums.